

93303

From: Saoud, Christine
Sent: Tuesday, May 06, 2003 9:58 AM
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[STIC]

09/924,647

Please search SEQ ID NO:1 in the patent and commercial databases - do not include pending at this time.

thank you

Christine Saoud
A.U. 1647
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305-7519
mailbox in 10B19

Technique
70

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: 5/7
Date Completed: 5/12
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
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AA Sequences: _____
Structures: _____
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Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
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DRLink: _____
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GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: May 11, 2003, 02:13:03 ; Search time 5728 Seconds
(without alignments)
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Gapop 10.0 , Gapext 1.0

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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pred. No. is the number of results predicted by chance to have a

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SUMMARIES

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DEFINITION	Sequence 6 from Patent WO0105836.				
ACCESSION	AX076894				
VERSION	AX076894.1	GI:13121555			
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SOURCE	human.				
ORGANISM	Homo sapiens				
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	Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.				
REFERENCE	1 (bases 1 to 2137)				
AUTHORS	Botstein,D., Goddard,A., Gurney,A.L., Hillan,K.J., Kay,M.A. and Wood,W.I.				
TITLE	Polypeptidic compositions and methods for the treatment of tumors				

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LOCUS AX403730 2137 bp DNA linear PAT 14-JUN-2002

DEFINITION Sequence 85 from Patent WO0077037.

ACCESSION AX403730

VERSION AX403730.1 GI:21437169

KEYWORDS human.

SOURCE Homo sapiens

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1

AUTHORS Ashkenazi, A., Baker, K., Botstein, D., Desnoyers, L., Eaton, D.L., Ferrara, N., Fong, S., Gao, W.Q., Gerber, H., Gerlitsen, M.E., Goddard, A., Godowski, P., Gurney, A., Kljavin, I.J., Mather, J., Napier, M., Pan, J., Paoni, N., Roy, M., Tumas, D., Watanabe, C., Williams, P.M., Wood, W.I. and Zhang, Z.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same

JOURNAL Patent: WO 0077037-A 85 21-DEC-2000;

Genentech Inc. (US)

FEATURES

source Location/Qualifiers

1. .2137

BASE COUNT 422 a 648 c 598 g 469 t

ORIGIN

Query Match 100.0%; Score 2137; DB 6; Length 2137;

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SOURCE human.
ORGANISM Homo sapiens
REFERENCE 1
AUTHORS Baker, K. P., Ferrara, N., Gerber, H., Gerritsen, M. E., Guddard, A.,
Godowski, P. J., Gurney, A. L., Hillan, K. J., Maisters, S. A., Pan, J.,
Paoni, N. F., Stephan, J. P., Watanabe, C. K., Williams, P. H., Wood, W. I.
and Ye, W.
TITLE Compositions and methods for the diagnosis and treatment of
disorders involving angiogenesis
JOURNAL Patent: WO 0208284-A 77 31-JAN-2002;
Genentech, Inc. (US) ; Baker, Kevin P. (US) ; Ferrara, Napoleone
(US) ; Gerber, Hanspeter (US) ; Gerritsen, Mary E. (US) ; Goddard,
Audrey (US) ; Godowski, Paul J. (US) ; Gurney, Austin L. (US) ;
Hillan, Kenneth J. (US) ; Maisters, Scott A. (US) ; Pan, James (US)
; Paoni, Nicholas F. (US) ; Stephan, Jean-Philippe F. (US) ;
Watanabe, Collin K. (US) ; Williams, P. Mickey (US) ; Wood, William
I. (US)
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VERSION AX490970.1 GI:22323822
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Baker,K.P., Ferrara,N., Gerber,H., Gerritsen,M.E., Goddard,A.,
Godowski,P.J., Gurney,A.L., Hillan,K.J., Marsters,S.A., Pan,J.,
Paoni,N.F., Stephan,J.P., Watanabe,C.K., Williams,P.M., Wood,W.I.
and Ye,W.
TITLE Compositions and methods for the diagnosis and treatment of
disorders involving angiogenesis
JOURNAL Patent: WO 0200690-A 77 03-JAN-2002;
Genentech, Inc. (US)
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RESULT 6

AF110400
LOCUS AF110400 2157 bp mRNA linear PK1 03-MAY-2001
DEFINITION Homo sapiens fibroblast growth factor 19 (FGF19) mRNA, complete cds.
ACCESSION AF110400
VERSION AF110400.1 GI:5668500
KEYWORDS
SOURCE Homo sapiens.
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE
AUTHORS

Xie, M.-H., Holcomb, I., Deuel, B., Dowd, P., Huang, A., Vagts, A.,
Poster, J., Liang, J., Brush, J., Gu, O., Hillan, K., Goddard, A. and
Gurney, A.L.

TITLE

FGF-19, a novel fibroblast growth factor with unique specificity
for FGFR4

JOURNAL

Cytokine 11 (10), 729-735 (1999)

MEDLINE

99457410

PUBMED

10525310

REFERENCE

2 (bases 1 to 2157)

AUTHORS

Xie, M.-H. and Gurney, A.L.

TITLE

Direct Submission
Submitted (01-DEC-1998) Molecular Biology, Genentech, 1 DNA Way,
South San Francisco, CA 94080, USA

JOURNAL

Location/Qualifiers

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BASE COUNT
ORIGIN

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DEFINITION	Homo sapiens, fibroblast growth factor 19, clone MGC:17045		
ACCESSION	IMAGE:3849343, mRNA, complete cds.		
VERSION	BC017664		
KEYWORDS	BC017664.1 GI:17389210		
SOURCE	MGC.		
ORGANISM	Homo sapiens		
REFERENCE	Homo sapiens		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
JOURNAL	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
REMARK	1 (bases 1 to 1869)		
COMMENT	Strausberg, R.		
	Direct Submission		
	Submitted (03-DEC-2001) National Institutes of Health, Mammalian		
	Gene Collection (MGC), Cancer Genomics Office, National Cancer		
	Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,		
	USA		
	NIH-MGC Project URL: http://mgc.nci.nih.gov		
	Contact: MGC help desk		
	Email: cgapbs-remail.nih.gov		
	Tissue Procurement: ATCC		
	cDNA Library Preparation: Life Technologies, Inc.		
	DNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)		
	Center, Stanford University School of Medicine, Stanford, CA 94305		
	Web site: http://www-shgc.stanford.edu		
	Contact: (Dickson, Mark) mcdapaxil.stanford.edu		
	Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,		
	R. M.		

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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAP Plate: 20 Row: k Column: 21
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 15011922.

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LOCUS
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Homo sapiens genomic DNA, chromosome 11q, clone:RP11-300I6,
complete sequence.
ACCESSION
AP001888
VERSION
AP001888.4 GI:15320476
KEYWORDS
HTG.
SOURCE
Homo sapiens
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1
AUTHORS
Hattori,M., Ishii,K., Toyoda,A., Taylor,T.D., Hong-Seog,P.,
Fujiyama,A., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.
TITLE
Homo sapiens genomic DNA
JOURNAL
Published Only in Database (2000)
REFERENCE
2 (bases 1 to 161505)
AUTHORS
Hattori,M., Ishii,K., Toyoda,A., Taylor,T.D., Hong-Seog,P.,
Fujiyama,A., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.
TITLE
Direct Submission
JOURNAL
Submitted (24-APR-2000) Masahira Hattori, The Institute of Physical
and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
1-7-22 Suehiro-chou,Tsukumi-ku, Yokohama, Kanagawa 230-0045, Japan
(E-mail:hattori@gsc.riken.go.jp URL:http://hgp.gsc.riken.go.jp/,
Tel:81-45-503-9111, Fax:81-45-503-9170)
COMMENT
On Aug 27, 2001 this sequence version replaced gi:11907501.
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RESULT 9
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LOCUS AX481448 651 bp DNA linear PAI 16-AUG-2002
DEFINITION Sequence 62 from Patent WO02055693.
ACCESSION AX481448
VERSION AX481448.1 GI:22316362
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS Kreutzer, R., Limmer, S., Rost, S. and Hadwiger, P.
TITLE Method for inhibiting the expression of a target gene
JOURNAL Patent: WO 02055693-A 62 18-JUL-2002;
Ribopharma AG (DE)
FEATURES
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RESULT 10
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LOCUS AB018122 651 bp mRNA linear F01 02-MAR-1999

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DEFINITION Homo sapiens mRNA for FGF-19, complete cds.
ACCESSION AB018122
VERSION AB018122.1 GI:4514717
KEYWORDS FGF-19.
SOURCE Homo sapiens fetal brain cDNA to mRNA.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (sites)
AUTHORS Nishimura,T., Utsunomiya,Y., Hoshikawa,M., Ohuchi,H. and Itoh,N.
TITLE Structure and expression of a novel human FGF, FGF-19, expressed in
the fetal brain
JOURNAL Biochim. Biophys. Acta 1444 (1), 148-151 (1999)
MEDLINE 99132028
REFERENCE 2 (bases 1 to 651)
AUTHORS Itoh,N.
TITLE Direct Submission
JOURNAL Submitted (30-SEP-1998) Nobuyuki Itoh, Kyoto University, Graduate
School of Pharmaceutical Sciences, Department of Genetic
Biochemistry; Yoshida-Shimoadachi, Sakyo, Kyoto, Kyoto 606-8501,
Japan (E-mail:itohnobu@pharm.kyoto-u.ac.jp, Tel:81-75-753-4540,
Fax:81-75-753-4600)
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ACCESSION AF315355
VERSION AF315355.1
KEYWORDS Gallus gallus fibroblast growth factor 19 (fgf-19) mRNA, complete
SOURCE Gallus gallus.
ORGANISM Gallus gallus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae;
Phasianinae; Gallus.
REFERENCE 1 (bases 1 to 2291)
AUTHORS Ladher,R.K., Anakwe,K.U., Gurney,A.L., Schoenwolf,G.C. and
Francis-West,P.H.
TITLE Identification of synergistic signals initiating inner ear
development
JOURNAL Science 290 (5498), 1965-1967 (2000)
MEDLINE 20564778
PUBMED 11110663
REFERENCE 2 (bases 1 to 2291)
AUTHORS Ladher,R.K., Schoenwolf,G.C. and Francis-West,P.H.
TITLE Direct Submission
JOURNAL Submitted (20-OCT-2000) Neurobiology and Anatomy, University of
Utah School of Medicine, 50 N. Medical Drive, Salt Lake City, UT
84132, USA
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BASE COUNT          610 a 540 c 535 g 606 t
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Query Match          12.5%; Score 267.6; DB 5; Length 2291;
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QY 366 CCAACCGGACATCACAGCCCGCAGCGCATCCGGTCCGCCCGCCAGCTCCCGACCCC 425
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Itoh.N.
 Direct Submission
 Submitted (26-JAN-2002) Nobuyuki Itoh, Kyoto University Graduate
 School of Pharmaceutical Sciences, Yoshida-shimoadachi, Sakyo,
 Kyoto 606-8501, Japan (E-mail: itohnobu@pharm.kyoto-u.ac.jp,
 Tel:81-75-753-4540, Fax:81-75-753-4600)
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Itoh.N.
 Direct Submission
 Submitted (26-JAN-2002) Nobuyuki Itoh, Kyoto University Graduate
 School of Pharmaceutical Sciences, Yoshida-shimoadachi, Sakyo,
 Kyoto 606-8501, Japan (E-mail: itohnobu@pharm.kyoto-u.ac.jp,
 Tel:81-75-753-4540, Fax:81-75-753-4600)
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Query Match	10.5%	Score 224.4;	DB 10;	Length 657;
Best Local Similarity	64.6%	Pred. No. 3.3e-30;		
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Qy 464	ATGCGGAGCGGCTGTGTGTCCTCACGATATGGATTCCTGGCGGCGCTCTGGCTGGCGGTG 523			
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DEFINITION		Mus musculus, fibroblast growth factor 15, clone MGC:29094	
IMAGE		5066286, mRNA, complete cds.	
ACCESSION		BC021328	
VERSION		BC021328.1	GI:18203908
KEYWORDS		MGC.	
SOURCE		house mouse	
ORGANISM		Mus musculus	
REFERENCE			
AUTHORS		Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
TITLE		Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.	
JOURNAL		1 (bases 1 to 1821)	
		Strausberg, R.	
		Direct Submission	
		Submitted (14-JAN-2002) National Institutes of Health, Mammalian	
		Gene Collection (MGC), Cancer Genomics Office, National Cancer	
		Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,	
		USA	
REMARK			
COMMENT		NIH-MGC Project URL: http://mgc.nci.nih.gov	
		Contact: MGC help desk	
		Email: cgabps-remail.nih.gov	
		Tissue Procurement: Gilbert Smith, Ph.D.	
		cDNA Library Preparation: Life Technologies, Inc.	
		cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)	
		DNA Sequencing by: National Institutes of Health Intramural	
		Sequencing Center (NISC),	
		Gaithersburg, Maryland;	
		Web site: http://www.nisc.nih.gov/	
		Contact: nisc_mgc@nhgri.nih.gov	
		Akhtar, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B.,	
		Blakesley, R.W., Bouffard, G.G., Breen, K., Brinkley, C., Brooks, S.,	
		Dietrich, N.L., Granite, S., Guan, X., Gupta, J., Haghighi, P.,	
		Hansen, N., Ho, S.-L., Karlins, E., Kwong, P., Laric, P., Legaspi, R.,	
		Maduro, Q.L., Masiello, C., Maskeri, B., Mastrian, S.D., McCloskey, J.C.,	
		McDowell, J., Pearson, R., Stantripop, S., Thomas, P.J., Touchman, J.W.,	
		Tsurgeon, C., Vogt, J.L., Walker, M.A., Wetherby, K.D., Wiggins, L.,	
		Young, A., Zhang, L.-H. and Green, E.D.	
		Clone distribution: MGC clone distribution information can be found	
		through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov	
		Series: IRAC Plate: 39 Row: 0 Column: 23	
		This clone was selected for full length sequencing because it	

464	ATCGGAGCGGGTGTGGTGTCCACAGTATGGATCTGGCCGGCCCTGCTGACTGGCCGTG	523
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* 19983 21400: contig of 1418 bp in length
* 21401 21500: gap of unknown length
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ORIGIN

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Matches 346; Conservative 0; Mismatches 187; Indels 30; Gaps 6;
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QY 222 ATGCAATCCCGATAAGAAATGCTCGGGTGTCTGGGCACCTAGCCGTGGGGCGCCGTAAGG 281
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QY 555 GGCCCCACGTGCACCTACGGCTGGGGCGACCCCATCCGCTGCGGCACCTGTACACCTCCG 614
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Db 153115 AGGAGGACCAAAACGAACGAAGT 153093

Search completed: May 11, 2003, 04:16:04
Job time : 6453 secs

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: May 11, 2003, 02:12:28 ; Search time 492 Seconds
(without alignments)
9781.546 Million cell updates/sec

Title: US-09-924-647-1

Perfect score: 2137

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2185239 seqs, 1125999159 residues

Total number of hits satisfying chosen parameters: 4370478

Minimum DB seq length: 0
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Maximum Match 0%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	2137	100.0	2137	21	AAA30028 Human PRO533 nucle
4	2137	100.0	2137	22	AAF58498 PRO533 coding sequ
5	2137	100.0	2137	22	AAC87022 Nucleotide sequenc
6	2137	100.0	2137	22	AAF72382 Human PRO533 cDNA.
7	2137	100.0	2137	24	ABL95599 Human angiogenesis
8	2137	100.0	2137	24	ABL88110 Human PRO533 cDNA
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10	2035.2	95.2	2133	20	AA52224	Protein PRO533 cDN
11	2035.2	95.2	2133	20	AA28430	FGF homologue PRO5
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c 16	232	10.9	232	20	AAV72456	Human PRO533 clone
c 17	232	10.9	232	20	AAV72457	Human B03767 genom
18	219.2	10.3	1824	20	AAV72463	Human FGF-15 DNA f
19	203.8	9.5	231	22	AAH34722	Human colon cancer
c 20	93	4.4	93	20	AAV72458	Human PRO533 clone
21	87.4	4.1	882	22	AAD09151	Human fibroblast g
22	87.4	4.1	939	24	ABK33574	cDNA encoding huma
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c 24	86.4	4.0	93	20	AAV72459	Human B03767 genom
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ALIGNMENTS

RESULT 1

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ID AAV72455 standard; cDNA; 2137 BP.

XX AC AAV72455;

XX DT 05-AUG-1999 (first entry)

XX DE Human PRO533 cDNA.

XX KW PRO533; FGF-19; fibroblast growth factor; human; diagnosis; treatment;
KW tumour; neoplastic cell growth; cell proliferation; tumorigenesis; cancer;
KW autocrine signalling; ss.

XX OS Homo sapiens.

XX PN WO9527100-A1.

XX PD 03-JUN-1999.

XX PF 25-NOV-1998; 98WO-US25190.

XX PR 21-SEP-1998; 98US-0158432.

XX PR 25-NOV-1997; 97US-0066840.

XX (GETH) GENENTECH INC.

PI Bolstein D, Goddard A, Gurney AL, Hillan KJ, Lawrence DA;

PI Roy MA;

XX WPI; 1999-347718/29.

DR P-PSDB; AAY08580.

xx Nucleic acid encoding fibroblast growth factor - 19, useful for the
PT diagnosis, prevention and treatment of cancers
xx
xx Claim 4; Fig 2; 88pp; English.
xx
CC This invention describes a novel human fibroblast growth factor, PR0533,
CC also known as fibroblast growth factor-19 (FGF-19). The nucleic acids,
CC methods and PR0533 polypeptides disclosed may be used in the diagnosis
CC and treatment of tumours and/or conditions characterized by modulation of
CC PR0533 expression, or in the preparation of compositions for such
CC therapies. These compositions and methods may be used in the diagnosis
CC and treatment of neoplastic cell growth and proliferation in mammals
CC (especially humans). The invention is based on the identification of
CC genes that are amplified in the genome of tumour cells. Such gene
CC amplification is expected to be associated with the over expression of
CC the gene product and contribute to tumourgenesis and/or autocrine
CC signalling. Accordingly, the proteins encoded by the amplified genes are
CC believed to be useful targets for the diagnosis and/or treatment of
CC certain cancers and may act as predictors of the prognosis for tumour
CC treatments.
xx
SQ Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other;

Query Match 100.0%; Score 2137; DB 20; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1201 AGTCCAGCTTCTGTAGCTTTAGGAGAAACATCTAGAAGTTGTACATATTACAGTTT 1260
QY 1261 TCCATTGGCAGTGCAGTTTCTAGCCAAATAGACTTGTCTGATCAATACATTTGAAGCTG 1320
DB 1261 TCCATTGGCAGTGCAGTTTCTAGCCAAATAGACTTGTCTGATCAATACATTTGAAGCTG 1320
QY 1321 TAGCTTGCAGCTGCTGCTGCGCGCCCATTTCTGCTCCCTCGAGGTGCTGGACAGCT 1380
DB 1321 TAGCTTGCAGCTGCTGCTGCGCGCCCATTTCTGCTCCCTCGAGGTGCTGGACAGCT 1380
QY 1381 GCTGCACTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACCTACTTCTTTGGA 1440
DB 1381 GCTGCACTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACCTACTTCTTTGGA 1440
QY 1441 AAAATTCTTATGCAAGCTGAAATTTCTAAATTTTCTCATCTTCCCGAGGAGCAGC 1500
DB 1441 AAAATTCTTATGCAAGCTGAAATTTCTAAATTTTCTCATCTTCCCGAGGAGCAGC 1500
QY 1501 CAGAAGACAGGCTAGTTTAAATTTTCAGAACAGGTGATCCACTCTGTAAAACAGCAGG 1560
DB 1501 CAGAAGACAGGCTAGTTTAAATTTTCAGAACAGGTGATCCACTCTGTAAAACAGCAGG 1560
QY 1561 TAAATTTCACTCAACCCCATGTGGGAATTCATCTATATCTCTACTTCCAGGACCATTTG 1620
DB 1561 TAAATTTCACTCAACCCCATGTGGGAATTCATCTATATCTCTACTTCCAGGACCATTTG 1620
QY 1621 CCCTTCCCAAAATCCCTCCAGGCGCAGAACTGACTGGAGCAGGATGGCCCAACAGGCTTCA 1680
DB 1621 CCCTTCCCAAAATCCCTCCAGGCGCAGAACTGACTGGAGCAGGATGGCCCAACAGGCTTCA 1680
QY 1681 GGAGTAGGGGAAGCTGGAGCGCCACTCCAGCCCTGGGACAACTTGAGAAATTCCTCTGA 1740
DB 1681 GGAGTAGGGGAAGCTGGAGCGCCACTCCAGCCCTGGGACAACTTGAGAAATTCCTCTGA 1740
QY 1741 GGCAGTTCTGTCATGGATGCTGCTCTGAGAATAACTTGTGTCGCGGTGTACCTGCTT 1800

Db 1741 GGCAGTTCTGTGTCATGGATGCTGCTCTCTGAGATAAATCTGTCGCCGGTTCACCTGCCTT 1800
QY 1801 CCATCTCCAGCCAGCCAGCCCTCTGCCCACCTCACATGCCTCCCCATGGATTGGGGCCTT 1860
Db 1801 CCATCTCCAGCCAGCCAGCCCTCTGCCCACCTCACATGCCTCCCCATGGATTGGGGCCTT 1860
QY 1861 CCCAGGCCGCCACCTTATGTCACCTGCACCTTCTTGTTCACAAATATCAGAAAGAAAG 1920
Db 1861 CCCAGGCCGCCACCTTATGTCACCTGCACCTTCTTGTTCACAAATATCAGAAAGAAAG 1920
QY 1921 ATTTGAAGACCCCAAGTCTGTCTCAATAACTTGCTGTGTGGAACGAGCGGGGAAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGTCTGTCTCAATAACTTGCTGTGTGGAACGAGCGGGGAAGACCTA 1980
QY 1981 GAACCCCTTCCCCAGCAGCAGTGGTTTCCCAACATGATATTTATGAGTAATTTATTTTCATA 2040
Db 1981 GAACCCCTTCCCCAGCAGCAGTGGTTTCCCAACATGATATTTATGAGTAATTTATTTTCATA 2040
QY 2041 TGTACATCTCTTATTTTCTTACATATTTATGATGATATTTATGATGATGATGATGATGATGAT 2100
Db 2041 TGTACATCTCTTATTTTCTTACATATTTATGATGATATTTATGATGATGATGATGATGATGAT 2100
QY 2101 GAGGTTGTTTGTATATTAATAAGTGGAGTTGTTTGT 2137
Db 2101 GAGGTTGTTTGTATATTAATAAGTGGAGTTGTTTGT 2137

RESULT 2
AAC58599
ID AAC58599 standard: cDNA: 2137 BP.
AC AAC58599;
XX
DT
XX
XX
DE Human PRO533 protein UNQ334 encoding cDNA SEQ ID NO:111.
XX
KW Human: immune related disease; diagnosis; antiinflammatory; cardiant;
KW dermatological; antiarthritic; antirheumatic; immunosuppressive;
KW haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;
KW antianemic; hepatotropic; virucide; antipsoriatic; antiallergic;
KW antiasthmatic; systemic lupus erythematosus; rheumatoid arthritis;
KW osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis;
KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
KW systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;
KW autoimmune thrombocytopaenia; immune-mediated renal disease;
KW demyelinating disease; hepatobiliary disease; Whipple's disease;
KW inflammatory bowel disease; gluten-sensitive enteropathy;
KW autoimmune disease; immune-mediated skin disease; allergic disease;
KW immunological disease; transplantation associated disease;
KW graft rejection; graft-versus-host-disease: ss.
XX
OS Homo sapiens.
XX
PN WO200053758-A2.
XX
PD
XX
PF
XX
XX 14-SEP-2000.
XX
XX 02-MAR-2000; 2000WO-US05841.
XX
PR 08-MAR-1999; 99WO-US05028.
PR 10-MAR-1999; 99US-0123618.
PR 12-MAR-1999; 99US-0123957.
PR 23-MAR-1999; 99US-0125775.
PR 12-APR-1999; 99US-0128849.
PR 20-APR-1999; 99WO-US08615.
PR 28-APR-1999; 99US-0131445.
PR 04-MAY-1999; 99US-0132371.
PR 14-MAY-1999; 99US-0134287.
PR 02-JUN-1999; 99WO-US12252.
PR 23-JUN-1999; 99US-0141037.
PR 20-JUL-1999; 99US-0144758.
PR 26-JUL-1999; 99US-0145698.

PR 28-JUL-1999; 99US-0146222.
PR 01-SEP-1999; 99WO-US20111.
PR 08-SEP-1999; 99WO-US20594.
PR 13-SEP-1999; 99WO-US20944.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 05-OCT-1999; 99WO-US23089.
PR 29-OCT-1999; 99US-0162506.
PR 29-NOV-1999; 99WO-US28214.
PR 30-NOV-1999; 99WO-US28313.
PR 30-NOV-1999; 99WO-US28409.
PR 01-DEC-1999; 99WO-US28301.
PR 01-DEC-1999; 99WO-US28634.
PR 02-DEC-1999; 99WO-US28551.
PR 02-DEC-1999; 99WO-US28564.
PR 16-DEC-1999; 99WO-US28565.
PR 20-DEC-1999; 99WO-US30095.
PR 30-DEC-1999; 99WO-US30999.
PR 05-JAN-2000; 99WO-US31274.
PR 06-JAN-2000; 2000WO-US00219.
PR 11-FEB-2000; 2000WO-US00277.
PR 18-FEB-2000; 2000WO-US03376.
PR 18-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 22-FEB-2000; 2000WO-US04342.
PR 22-FEB-2000; 2000WO-US04414.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;
PI Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V;
PI Stewart TA, Tumas D, Watanabe CK, Wood WI, Yan M;
XX
DR WPI: 2000-572271/53.
DR P-PSDB; AAB33434.
XX
PT Sixty four PRO polypeptides, useful in the diagnosis and treatment of
PT immune related disorders, e.g. systemic lupus erythematosus, rheumatoid
XX arthritis, osteoarthritis, thyroiditis and diabetes mellitus -
PS Claim 23: Fig 41: 309pp; English.
XX
CC The present invention describes sixty four human PRO proteins which can
CC be used in the treatment of immune related diseases. The human PRO
CC proteins, anti-PRO antibodies, agonists and antagonists are useful for
CC treating and diagnosing immune related disorders. The disorders are
CC selected from systemic lupus erythematosus, rheumatoid arthritis,
CC osteoarthritis, juvenile chronic arthritis, spondyloarthropathies,
CC systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's
CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
CC anaemia, autoimmune thrombocytopaenia, thyroiditis, diabetes mellitus,
CC immune-mediated renal disease, demyelinating diseases of the central
CC and peripheral nervous systems, hepatobiliary diseases, inflammatory
CC bowel disease, gluten-sensitive enteropathy and Whipple's disease,
CC autoimmune or immune-mediated skin diseases, allergic diseases,
CC immunological diseases of the lung, and transplantation associated
CC diseases including graft rejection and graft-versus-host-disease.
CC AAC58397 to AAC58578 represent PCR primers and hybridisation probes used
CC in the isolation of human PRO sequences. AAC58579 to AAC58642 and
CC AAB33414 to AAB33477 represent human PRO polynucleotide and protein
CC sequences given in the exemplification of the present invention.
XX
SQ Sequence 2137 BP: 422 A: 648 C: 598 G: 459 T: 0 other;
Query Match 100.0%; Score 2137; DB 21; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Caps 0;
QY 1 GCTCCAGCAAGAACCTCGGGCCCGCTCGCGGTGGGAGGAGTTCCCGCAAAACCGGC 60
Db 1 GCTCCAGCAAGAACCTCGGGCCCGCTCGCGGTGGGAGGAGTTCCCGCAAAACCGGC 60
QY 61 CGCTAAGCGAGGCCCTCTCTCTCCCGCAGATCCGACGGCTGGGGGGGTCACTCCGGCT 120

Db 61 CGCTAAGGAGGCGCTCTCTCCCGCAGATCCGAACGGCCTGGCGGGGTACACCCGGCT 120
Qy 121 GGGACAAGACCGCGCCTGCCTGCCCGCGGCGAGGGGCTGGGCGCGG 180
Db 121 GGGACAAGACCGCGCCTGCCTGCCCGCGGCGAGGGGCTGGGCGCGG 180
Qy 181 AGGCGGGGTGTAGTGGGTGTGCGGGGGCGGAGGCTTGTATCAATCCCGATAAGAAA 240
Db 181 AGGCGGGGTGTAGTGGGTGTGCGGGGGCGGAGGCTTGTATCAATCCCGATAAGAAA 240
Qy 241 TGCTCGGGTGTCTTGGGACCTACCCGTGGGGCCCGTAAGGCGCTACTATATAAGGCTGC 300
Db 241 TGCTCGGGTGTCTTGGGACCTACCCGTGGGGCCCGTAAGGCGCTACTATATAAGGCTGC 300
Qy 301 CGGCGCGGAGCGCGCGCGCTCAGAGCAGGAGCGCTGCGTCCAGGATCTAGGGCCACGA 360
Db 301 CGGCGCGGAGCGCGCGCGCTCAGAGCAGGAGCGCTGCGTCCAGGATCTAGGGCCACGA 360
Qy 361 CCATCCCAACCGGACCTCAGAGCCCGCAGCGCATCCCGTGCGCCGCCAGCGCTCCCGC 420
Db 361 CCATCCCAACCGGACCTCAGAGCCCGCAGCGCATCCCGTGCGCCGCCAGCGCTCCCGC 420
Qy 421 ACCCCCATCGCGAGCTGCGCCGAGAGCCCCAGGGAGGTGCCATGCGGAGCGGTGTGT 480
Db 421 ACCCCCATCGCGAGCTGCGCCGAGAGCCCCAGGGAGGTGCCATGCGGAGCGGTGTGT 480
Qy 481 GGTGGTCCACGTATGGATCTCTGGCGGCGCTTGGCTGCGCGGTGCGCGGCCCGCTCGC 540
Db 481 GGTGGTCCACGTATGGATCTCTGGCGGCGCTTGGCTGCGCGGTGCGCGGCCCGCTCGC 540
Qy 541 CTTCTCGGACCGGGGCCACGTGCACTACGGCTGGGGGACCCCCATTCGCGCTCGGGCA 600
Db 541 CTTCTCGGACCGGGGCCACGTGCACTACGGCTGGGGGACCCCCATTCGCGCTCGGGCA 600
Qy 601 CCTGTACACCTCGCGGCCCGCAGCGGCTCTCCAGCTGCTTCTGCGCATCCGTGCGGACG 660
Db 601 CCTGTACACCTCGCGGCCCGCAGCGGCTCTCCAGCTGCTTCTGCGCATCCGTGCGGACG 660
Qy 661 CGTGTGGACTGCGCGGGGCCAGCGGCACAGTTTGTGCGCATCAAGGCGAGTGC 720
Db 661 CGTGTGGACTGCGCGGGGCCAGCGGCACAGTTTGTGCGCATCAAGGCGAGTGC 720
Qy 721 TCTCGGACCGTGGCCATCAAGGCGCTGCACAGCGTGGGTACCTTGCATGGCGCCGA 780
Db 721 TCTCGGACCGTGGCCATCAAGGCGCTGCACAGCGTGGGTACCTTGCATGGCGCCGA 780
Qy 781 CGGCAAGATGAGGGGCTGCTTCACTCGGAGGAAGACTGTGCTTTCAGAGGAGAT 840
Db 781 CGGCAAGATGAGGGGCTGCTTCACTCGGAGGAAGACTGTGCTTTCAGAGGAGAT 840
Qy 841 CGGCCCCAGATGGCTACAAATGTGTACCGATCCGAGAAGCACCGCTCCCGTCTCCCTGAG 900
Db 841 CGGCCCCAGATGGCTACAAATGTGTACCGATCCGAGAAGCACCGCTCCCGTCTCCCTGAG 900
Qy 901 CAGTGCACCAACAGCGGAGCTGTACAGACAGAGGCTTCTTCCACTCTCTCATTTCCCT 960
Db 901 CAGTGCACCAACAGCGGAGCTGTACAGACAGAGGCTTCTTCCACTCTCTCATTTCCCT 960
Qy 961 GCCCATGCTGCCATGTGTCCAGAGGAGCTTGAGGACTCAGGGGCCACTTGGAAATCTGA 1020
Db 961 GCCCATGCTGCCATGTGTCCAGAGGAGCTTGAGGACTCAGGGGCCACTTGGAAATCTGA 1020
Qy 1021 CATGTTCTCTTCGCCCTGGAGACCGACAGCATGGACCCATTTTGGGCTTGTACCGGACT 1080
Db 1021 CATGTTCTCTTCGCCCTGGAGACCGACAGCATGGACCCATTTTGGGCTTGTACCGGACT 1080
Qy 1081 GGAGGCGGTGAGGAGTCCCAGCTTTGAGAAGTAAGTACTGAGACCATGCGCGGCGCTCTTTCAC 1140
Db 1081 GGAGGCGGTGAGGAGTCCCAGCTTTGAGAAGTAAGTACTGAGACCATGCGCGGCGCTCTTTCAC 1140
Qy 1141 TGCTGCGAGGGGCTGTGTACCTGACGCTGGGGGAGTGTCTTCTACAAGAACAGTCTCTG 1200
Db 1141 TGCTGCGAGGGGCTGTGTACCTGACGCTGGGGGAGTGTCTTCTACAAGAACAGTCTCTG 1200

Db 1141 TGCTGCGAGGGGCTGTGTACCTGACGCTGGGGGAGTGTCTTCTACAAGAACAGTCTCTG 1200
Qy 1201 AGTCCACGTTCTCTGTTTAGCTTTAGGAAGAAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCACGTTCTGTTTAGCTTTAGGAAGAAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Qy 1261 TCCATTGGCAGTGGCAGTTTCTAGCCAAATAGACTTGTCTGATCAATAACATTTGTAAAGCTG 1320
Db 1261 TCCATTGGCAGTGGCAGTTTCTAGCCAAATAGACTTGTCTGATCAATAACATTTGTAAAGCTG 1320
Qy 1321 TAGCTTCCCGAGCTGCTGCTGGGCCCCCAATCTGCTCCCTCGAGGTTGCTGGACAAGCT 1380
Db 1321 TAGCTTCCCGAGCTGCTGCTGGGCCCCCAATCTGCTCCCTCGAGGTTGCTGGACAAGCT 1380
Qy 1381 GCTGCACCTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACTCAGTCTCTTTTGA 1440
Db 1381 GCTGCACCTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACTCAGTCTCTTTTGA 1440
Qy 1441 AAAATTCCTTATGTCAAGCTGAAATTCCTAATTTTTTCTCATCACTTCCCGCAGGAGCAGC 1500
Db 1441 AAAATTCCTTATGTCAAGCTGAAATTCCTAATTTTTTCTCATCACTTCCCGCAGGAGCAGC 1500
Qy 1501 CAGAAGACAGCGAGTGTAAATTTTTCAGGAACAGGTGATCCACTCTGTAACACAGCAGG 1560
Db 1501 CAGAAGACAGCGAGTGTAAATTTTTCAGGAACAGGTGATCCACTCTGTAACACAGCAGG 1560
Qy 1561 TAAATTTTCACTCAACCCCATGTGGAAATGTATCTATATCTCTACTTCCAGGGACCATTTG 1620
Db 1561 TAAATTTTCACTCAAGCCCATGTGGAAATGTATCTATATCTCTACTTCCAGGGACCATTTG 1620
Qy 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGAGCAGGAGCATGGCCACAGGCTTCA 1680
Db 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGAGCAGGAGCATGGCCACAGGCTTCA 1680
Qy 1681 GGAGTAGGGGAAGCTGCGAGCCCACTCCAGCCCTGGGAACTTGAGAATTCGCCCTGA 1740
Db 1681 GGAGTAGGGGAAGCTGCGAGCCCACTCCAGCCCTGGGAACTTGAGAATTCGCCCTGA 1740
Qy 1741 GGGCAGTTCTGTATGGATGCTGCTCGAGAATAACTTGTGTGCCCGGTGTCACTGCTT 1800
Db 1741 GGGCAGTTCTGTATGGATGCTGCTCGAGAATAACTTGTGTGCCCGGTGTCACTGCTT 1800
Qy 1801 CCATCTCCCGAGCCCGAGCCCTCTGCCACCTCACATGCTCCCATGGATTGGGGCCT 1860
Db 1801 CCATCTCCCGAGCCCGAGCCCTCTGCCACCTCACATGCTCCCATGGATTGGGGCCT 1860
Qy 1861 CCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTTCTTCAAAAATCAGGAAAGAAAAG 1920
Db 1861 CCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTTCTTCAAAAATCAGGAAAGAAAAG 1920
Qy 1921 ATTTGGAAGCCCCAAGTCTTGTCAATAACTTGTGTGGAGAGCGGGGGAAGACCTA 1980
Db 1921 ATTTGGAAGCCCCAAGTCTTGTCAATAACTTGTGTGGAGAGCGGGGGAAGACCTA 1980
Qy 1981 GAACCCCTTCCCGAGCAGCTTGGTTTCCACATGATATTTATGAGTAATTTATTTTCA 2040
Db 1981 GAACCCCTTCCCGAGCAGCTTGGTTTCCACATGATATTTATGAGTAATTTATTTTCA 2040
Qy 2041 TGTACATCTCTTATTTTCTTACATATTTATGCCCCCAATATATTTATGATGTAAGT 2100
Db 2041 TGTACATCTCTTATTTTCTTACATATTTATGCCCCCAATATATTTATGATGTAAGT 2100
Qy 2101 GAGGTTGTTTTGTATATTAATAATGGAGTTGTTTGT 2137
Db 2101 GAGGTTGTTTTGTATATTAATAATGGAGTTGTTTGT 2137

RESULT 3
AAA30028
ID AAA30028 standard; cDNA; 2137 BP.
xx
AC
AC
AAA30028;
xx

DT 09-AUG-2000 (first entry)
XX Human PRO533 nucleotide sequence.
XX
KW Antibody; PRO187; PRO533; PRO214; PRO240; PRO211; PRO230; PRO261; PRO246;
KW PRO317; tumour growth inhibitor; cancer; diagnosis; treatment; Human;
KW cell growth; proliferation; fibroblast growth factor; ADEPT;
KW antibody dependent enzyme mediated prodrug therapy; ss.
XX
OS Homo sapiens.
XX
XX WO200015666-A2.
PN 23-MAR-2000.
XX
XX 08-SEP-1999; 99WO-US20594.
XX
XX 10-SEP-1998; 98US-0099803.
PR 10-SEP-1998; 98WO-US18824.
XX
XX (GETH) GENENTECH INC.
PA
XX Goddard A, Gurney AL, Hillan KJ, Roy MA, Wood WI, Botstein D;
PI
XX WPI; 2000-271386/23.
DR P-PSDB; AAY88568.
XX
XX New isolated antibodies which bind to specific polypeptides used for
PT diagnosis and treatment of neoplastic cell growth and proliferation -
PT
XX Example 2; Fig 3; 200pp; English.
XX
XX This sequence represents a human PRO533 nucleotide sequence. PRO533
CC shares sequence homology with the fibroblast growth factor. The
CC invention relates to isolated antibodies which bind to a polypeptide.
CC The "PRO" polypeptides are encoded by genes which are over expressed in
CC the genome of tumour cells. Vectors and host cells comprising the nucleic
CC acid encoding the antibodies are used in the production of the
CC antibodies. The antibodies and nucleic acids encoding them are used for
CC diagnosing a tumour in a mammal. The antibodies are used for inhibiting
CC the growth of tumour cells and identifying compounds that inhibit a
CC biological or immunological activity of and/or expression of a PRO187,
CC PRO533, PRO214, PRO211, PRO230, PRO261, PRO246 or PRO317
CC polypeptide. The antibody can be used in antibody dependent enzyme
CC mediated prodrug therapy (ADEPT) by conjugating the antibody to a
CC prodrug-activating enzyme which converts a prodrug to an anti-cancer
CC drug. The antibodies can be fluorescently labelled and monitored by light
CC microscopy, flow cytometry or fluorimetry for diagnosis and prognosis of
CC tumours.
XX
XX Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other:

Db	241		TGCTCGGGTGTCTTGGGACCTACCGTGGGCGCCGTAAAGCGCTACTATATAAGAGCTGC	300
Qy	301	CGGCGCGGAGCGCGCGCGCTCAGAGCAGGAGCGCTGCGTCCAGGATCTAGGG+GACGA	360	
Db	301	CGGCGCGGAGCGCGCGCGCTCAGAGCAGGAGCGCTGCGTCCAGGATCTAGGCGCACGA	360	
Qy	361	CCATCCCAACCGGCACTCACAGCCCGCAGCGCATCCCGTCCGCCGCCAGGCTCCCGC	420	
Db	361	CCATCCCAACCGGCACTCACAGCCCGCAGCGCATCCCGTCCGCCGCCAGGCTCCCGC	420	
Qy	421	ACCCCATCGCGGAGCTGGCGGAGAGCCCGAGGAGTGCCATCGGAGCGAGTGTTGT	480	
Db	421	ACCCCATCGCGGAGCTGGCGGAGAGCCCGAGGAGTGCCATCGGAGCGAGTGTTGT	480	
Qy	481	GGTGTGTCACGTATGATCTGGCGGCGCTCTGGCTGGCGTGGCGCGCGCCCTCCG	540	
Db	481	GGTGTGTCACGTATGATCTGGCGGCGCTCTGGCTGGCGTGGCGCGCGCCCTCCG	540	
Qy	541	CTTCTCGGACGGGGCGCCACGTGACCTACGGGTGGGG+GACCCCATTCGCCCTCGCGCA	600	
Db	541	CTTCTCGGACGGGGCGCCACGTGACCTACGGGTGGGG+GACCCCATTCGCCCTCGCGCA	600	
Qy	601	CGTGATACACTCGCGGCCCGCACGGGCTCTCCAGCTGCTTCTGCGCATCCGTGCGACGG	660	
Db	601	CGTGATACACTCGCGGCCCGCACGGGCTCTCCAGCTGCTTCTGCGCATCCGTGCGACGG	660	
Qy	661	CGTGTGGACTCGCGCGCGCGGCAGAGCGGCACAGTCTTCTGGAGATCAAGGACGTGC	720	
Db	661	CGTGTGGACTCGCGCGCGCGGCAGAGCGGCACAGTCTTCTGGAGATCAAGGACGTGC	720	
Qy	721	TCGTGGAGCCGTGGGCATCAAGGGCTGCACAGCGTGGCGTACCTTGCATGGAGCGCA	780	
Db	721	TCGTGGAGCCGTGGGCATCAAGGGCTGCACAGCGTGGCGTACCTTGCATGGAGCGCA	780	
Qy	781	CGGCAAGATGCAAGGGCTGCTTCTCAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGAGAT	840	
Db	781	CGGCAAGATGCAAGGGCTGCTTCTCAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGAGAT	840	
Qy	841	CGCGCCAGATGGCTACAATGTGTACCGATCCGAGGAAGCACCGCCTCCCGTCTCCGTGAG	900	
Db	841	CGCGCCAGATGGCTACAATGTGTACCGATCCGAGGAAGCACCGCCTCCCGTCTCCGTGAG	900	
Qy	901	CAGTCCCAACAGCGCGCAGCTGTACAAGAACAGAGGCTTCTTCCACTCTCTCA1TTCCT	960	
Db	901	CAGTCCCAACAGCGCGCAGCTGTACAAGAACAGAGGCTTCTTCCACTCTCTCA1TTCCT	960	
Qy	961	GCCTATGCTGCCATGGTCCAGAGGAGCGTGGAGACCTCAGGGGCGCACT+GGAA1CTGA	1020	
Db	961	GCCTATGCTGCCATGGTCCAGAGGAGCGTGGAGACCTCAGGGGCGCACTTGGAA1CTGA	1020	
Qy	1021	CATGTTCTTCTCGCCCTGGAGACCGACAGCATGGACCCATTTGGGCTTGTCACCGGACT	1080	
Db	1021	CATGTTCTTCTCGCCCTGGAGACCGACAGCATGGACCCATTTGGGCTTGTCACCGGACT	1080	
Qy	1081	GGAGCGCGTGGAGAGTCCCGAGCTTTGAGAAGTAACCTGAGACCATGCCCGGCGCTCTCAC	1140	
Db	1081	GGAGCGCGTGGAGAGTCCCGAGCTTTGAGAAGTAACCTGAGACCATGCCCGGCGCTCTCAC	1140	
Qy	1141	TGCTGCCAGGGGCTGTGGTACCTGCGAGCGTGGGGAGCGTGTCTTACAAGAACTGTCCTG	1200	
Db	1141	TGCTGCCAGGGGCTGTGGTACCTGCGAGCGTGGGGAGCGTGTCTTACAAGAACTGTCCTG	1200	
Qy	1201	AGTCCACGTTCTGTTT+AGCTTTAGGAAGAAACATCTAGAAGTTGTACATATTCAGAGTTT	1260	
Db	1201	AGTCCACGTTCTGTTT+AGCTTTAGGAAGAAACATCTAGAAGTTGTACATATTCAGAGTTT	1260	
Qy	1261	TCCATTGGCAGTCCAGTTTCTTAGCCAA1FAGACTTTGTCTGATCATAACATTTGAAGCTG	1320	
Db	1261	TCCATTGGCAGTCCAGTTTCTTAGCCAA1FAGACTTTGTCTGATCATAACATTTGAAGCTG	1320	
Qy	1321	TAGCTTGGCCAGCTGCTGCCTGGGCGCCCATTTCTGCTCCCTCGAGGTTGCTGGACAGCT	1380	

PF	20-DEC-1999;	99WO-US30999.	
XX			
XX	20-JUL-1999;	99US-0144758.	
PR	26-JUL-1999;	99US-0145698.	
PR	08-SEP-1999;	99WO-US20594.	
PR	13-SEP-1999;	99WO-US20944.	
PR	15-SEP-1999;	99WO-US21090.	
PR	05-OCT-1999;	99WO-US23089.	
PR	29-NOV-1999;	99WO-US28214.	
PR	30-NOV-1999;	99WO-US28313.	
PR	02-DEC-1999;	99WO-US28564.	
XX			
	(GETH) GENENTECH INC.		
XX			
PI	Botstein D, Goddard A, Gurney AL, Hillan KJ, Roy MA, Wood WI;		
XX	WPI; 2001-091968/10.		
DR	P-PSDB; AAB68593.		
XX			
PT	New antibody that binds to a PRO polypeptide, e.g. PRO187 and PRO533,		
PT	useful for diagnosing and treating cancers -		
XX			
PS	Claim 50; Fig 3; 196pp; English.		
XX			
CC	The present invention relates to PRO proteins and coding sequences. T		
CC	present sequence is the coding sequence for one such PRO protein.		
CC	It was found that the PRO genes are amplified in the genome of tumour		
CC	cells. The gene amplification is expected to be associated with the		
CC	overexpression of the gene product and contributes to tumourigenesis		
CC	Therefore, antagonists of PRO proteins and antibodies for the treatment of		
CC	benign or malignant tumours, leukaemias, lymphoid malignancies and other		
CC	disorders such as neuronal, glial, astrocytal, hypochalamic, glandular		
CC	epithelial, inflammatory and immunologic disorders.		
XX			
XX	Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other;		

[illegible]

QY CGGCGCGGAGCCGCGCGCGT CAGAGCAGGAGCGCAGGATCTAGGGCCACGA 301
|||||

Db 301 CGGCCCGAGCCGCCGCTCAGAGCAGGAGCGCTCGGTCCAGGATCTAGGGCCACGA 360

Qy 361 CCATCCCAACCCGGCACTCACAGCCCGCGCAGGCGCATCCCGGTCGCGCGCCAGCCTCCCGC 420

Db 361 CCATCCCAACCCGGGCACTCACAGCCCGGCAGGCATCCCGGTGCGCGCCAGCCCTCCCGC 420

Qy 421 ACCCCCATCGCCGGAGCTGCGCCGAGAGCCCCAGGGAGGTGCCATGCGGAGCGGGTGTGT 480

Db 421 ACCCCCATCGCCCGGAGCTGCCCGGAGAGCCCCAGGGAGGTGCCCATGCCGAGCGCGGTGTGT 480

XX	QY	481	GCTGTCCACGATATGGATTCCTGGCCGGCGCTTGGCGTGCCCGTGGCGGGGGCCCCCCTCGC	540
----	----	-----	--	-----

Db	481	GGTGGTCCACGTATGATCCTCGCGGGCTCTGGCTGGCCGTGGCGGGCGCCGCCCTCGC	540
Qy	541	CTTCTCGGACGGGGGCCACGTCACCTACGGCTGGGGGACGCCCATTCGCCCTCGGGCA	600
Db	541	CTTCTCGGACGGGGGCCACGTCACCTACGGCTGGGGGACGCCCATTCGCCCTCGGGCA	600
Qy	601	CTGTACACCTCGGGCCCCACGGGCTCTCCAGCTGCTTCTTGGGCATTCCTGCCAGCG	660
Db	601	CTGTACACCTCGGGCCCCACGGGCTCTCCAGCTGCTTCTTGGGCATTCCTGCCAGCG	660
Qy	661	CGTCTGGACTGGCGCGGGGCCAGAGCGGCACAGTTTGCTGGAGATCAAGCCAGTTCG	720
Db	661	CGTCTGGACTGGCGCGGGGCCAGAGCGGCACAGTTTGCTGGAGATCAAGCCAGTTCG	720
Qy	721	TCTGCCGACCGTGGCCATCAAGGGGTGCACAGCGTCGGTACCTCTGTCATGGCGCCGA	780
Db	721	TCTGCCGACCGTGGCCATCAAGGGGTGCACAGCGTCGGTACCTCTGTCATGGCGCCGA	780
Qy	781	CGCAAGATGCAGGGGCTCTTCACTACTCGGAGGAAGACTTGTCTTTCGAGGAGGAGAT	840
Db	781	CGCAAGATGCAGGGGCTCTTCACTACTCGGAGGAAGACTTGTCTTTCGAGGAGGAGAT	840
Qy	841	CCGCCACAGATGGTACAATGTGTACGATCCGAGAAAGCACCGCTTCGGGTTCTCCCTGAG	900
Db	841	CCGCCACAGATGGTACAATGTGTACGATCCGAGAAAGCACCGCTTCGGGTTCTCCCTGAG	900
Qy	901	CAGTGCCAAGACGGCGACGCTACAAAGAACAGAGGCTTCTTCCACTCTCTCATTTTCT	960
Db	901	CAGTGCCAAGACGGCGACGCTACAAAGAACAGAGGCTTCTTCCACTCTCTCATTTTCT	960
Qy	961	GCCTACTCTGCCCATGGTCCCGAGAGGCGCTGAGGACCTCAGGGGCCACTTGGAACTGA	1020
Db	961	GCCTACTCTGCCCATGGTCCCGAGAGGCGCTGAGGACCTCAGGGGCCACTTGGAACTGA	1020
Qy	1021	CATGTTCTCTTGGCCCTGGAGCGCACAGCATGAGCCCATTTGGGTTGTTCACGGACT	1080
Db	1021	CATGTTCTCTTGGCCCTGGAGCGCGACAGCATGAGCCCATTTGGGTTGTTCACGGACT	1080
Qy	1081	GGAGGCGGTGAGGAGTCCAGCTTTGAGAAGTAACTGAGACCATGCGCGGCGCTTTTCAC	1140
Db	1081	GGAGGCGGTGAGGAGTCCAGCTTTGAGAAGTAACTGAGACCATGCGCGGCGCTTTTCAC	1140
Qy	1141	TGCTGCCAGGGGTGTGTACCTGCGAGGTGGGGGACGTGCTTCTACAAGAACAGTCTTG	1200
Db	1141	TGCTGCCAGGGGTGTGTACCTGCGAGGTGGGGGACGTGCTTCTACAAGAACAGTCTTG	1200
Qy	1201	AGTCCAGGTTCTGTTTAGCTTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT	1260
Db	1201	AGTCCAGGTTCTGTTTAGCTTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT	1260
Qy	1261	TCCATTGGCAGTGCCAGTTTCTAGCCAATAGACTTGTCTGATCATAAACATGTGAAGCTG	1320
Db	1261	TCCATTGGCAGTGCCAGTTTCTAGCCAATAGACTTGTCTGATCATAAACATGTGAAGCTG	1320
Qy	1321	TAGCTTTGCCAGCTGCTGCTGGGCGCCCATTCCTGCCCTCAGGTTGCTGGACAAGCT	1380
Db	1321	TAGCTTTGCCAGCTGCTGCTGGGCGCCCATTCCTGCCCTCAGGTTGCTGGACAAGCT	1380
Qy	1381	GCTGCACTGTCTCAGTCTGCTTGAATACCTCCATCGATGGGAACCTCACTTCTTTTGGG	1440
Db	1381	GCTGCACTGTCTCAGTCTGCTTGAATACCTCCATCGATGGGAACCTCACTTCTTTTGGG	1440
Qy	1441	AAATTTCTATGTCAAGCTGAAATTTCTCTAATTTTTTCTCATCACTTCCCGCAGGAGCAGC	1500
Db	1441	AAATTTCTATGTCAAGCTGAAATTTCTCTAATTTTTTCTCATCACTTCCCGCAGGAGCAGC	1500
Qy	1501	CAGAAGACAGGCAGTAGTTTAAATTTTCAGGAACAGTTCATCCACTCTGTAACACAGCAGG	1560
Db	1501	CAGAAGACAGGCAGTAGTTTAAATTTTCAGGAACAGTTCATCCACTCTGTAACACAGCAGG	1560
Qy	1561	TAAATTTCACTCAACCCCATGTGGAAATGTATCTATATCTACTTTCAGGAGCAATTTG	1620

-	Db	1561	TAAATTTCACTCAACCCCATGTGGGAATTGATCTATATCTTACTTCCAGGGATCATTTG	1620
	Qy	1621	CCCTTCCCAATCCCTCCAGGCCAGAACTGACTTGGAGCAGGATGGCCACCAAGCTTCA	1680
	Db	1621	CCCTTCCCAATCCCTCCAGGCCAGAACTGACTTGGAGCAGGATGGCCACCAAGCTTCA	1680
	Qy	1681	GGATAGGGGAAGCTTGGAGGCCCACTCCAGCCCTGGGAACACTTGAGAAATTCGCCCTCA	1740
	Db	1681	GGATAGGGGAAGCTTGGAGGCCCACTCCAGCCCTGGGAACACTTGAGAAATTCGCCCTCA	1740
	Qy	1741	GGCCAGTTCTGTCATGATGCTGTCTCTGAGAAATAACTTCTCTCCCGGTGTCACTTCTT	1800
	Db	1741	GGCCAGTTCTGTCATGATGCTGTCTCTGAGAAATAACTTCTCTCCCGGTGTCACTTCTT	1800
	Qy	1801	CCATCTCCAGCCACCAGAGCCCTCTGCCACCTCACATGCCCTCCCATGGATTGGGGCT	1860
	Db	1801	CCATCTCCAGCCACCAGAGCCCTCTGCCACCTCACATGCCCTCCCATGGATTGGGGCT	1860
	Qy	1861	CCCAGGCCCCCACTTATGCTCAACCTGCACCTCTTGTTCAAAAATCAGGAAATATAAAG	1920
	Db	1861	CCCAGGCCCCCACTTATGCTCAACCTGCACCTCTTGTTCAAAAATCAGGAAATATAAAG	1920
	Qy	1921	ATTTTGAAGACCCCAAGTCTTGTGCAATTAACCTGCTGTGGAGACAGCGGGJAGACCTA	1980
	Db	1921	ATTTTGAAGACCCCAAGTCTTGTGCAATTAACCTGCTGTGGAGACAGCGGGJAGACCTA	1980
	Qy	1981	GAACCCCTTCCCCAGCACTTGGTTTTTCCCAACATGATATTTATCAGTAATTTATTTCATA	2040
	Db	1981	GAACCCCTTCCCCAGCACTTGGTTTTTCCCAACATGATATTTATCAGTAATTTATTTCATA	2040
	Qy	2041	TGTACATCTCTTATTTTCTTACATTTATATGCCCCAAATTTATTTATCTATGTAAAGT	2100
	Db	2041	TGTACATCTCTTATTTTCTTACATTTATATGCCCCAAATTTATTTATCTATGTAAAGT	2100
	Qy	2101	GAGGTTTGTTTTGTATATTAATAATGGAGTTTGTGTTGT	2137
	Db	2101	GAGGTTTGTTTTGTATATTAATAATGGAGTTTGTGTTGT	2137

RESULT 5	
AAC87022	
ID	AAC87022 standard; cDNA; 2137 BP.
XX	
XX	
AC	AAC87022;
AC	
XX	
XX	
DT	20-APR-2001 (first entry)
XX	
XX	
DE	Nucleotide sequence of human poly

xx	Human; secreted protein; transmembrane protein; PRO156; PR0444; PRO133;
kw	PRO185; PRO210; PRO217; PRO243; PRO288; PRO365; PRO1361; PRO1308;
kw	PRO1183; PRO1272; PRO1419; PRO4999; PRO7170; PRO248; PRO355; PRO1318;
kw	PRO1600; PRO9940; PRO533; PRO101; PRO187; PRO337; PRO1411; PRO4356;
kw	PRO246; PRO265; PRO941; PRO10096; PRO6003; PRO36004; PRO350; PRO2630;
kw	PRO6309; cell death; genetic disorder; transgenic animal; gene therapy;
kw	ss.

XX	OS	Homo sapiens.			
XX	FH	Key	Location/Qualifiers		
FT	CDS	464..1114			
FT		/tag= a			
FT	sig_peptide	464..529			
FT		/tag= b			
XX					
PN	WO2000077037-A2.				
XX					
PD	21-DEC-2000.				
XX					
PF	22-MAY-2000; 2000WO-US14042.				
XX					
PR	15-JUN-1999;	99US-0139695.			
PR	20-JUL-1999;	99US-0145070.			

```
PR 26-JUL-1999; 99US-0145698.
PR 17-AUG-1999; 99US-0149396.
PR 01-SEP-1999; 99WO-US20111.
PR 08-SEP-1999; 99WO-US20594.
PR 15-SEP-1999; 99WO-US21090.
PR 15-SEP-1999; 99WO-US21547.
PR 30-NOV-1999; 99WO-US28313.
PR 01-DEC-1999; 99WO-US28301.
PR 02-DEC-1999; 99WO-US28565.
PR 07-DEC-1999; 99US-0169495.
PR 05-JAN-2000; 2000WO-US00219.
PR 18-FEB-2000; 2000WO-US04341.
PR 18-FEB-2000; 2000WO-US04342.
PR 22-FEB-2000; 2000WO-US04414.
PR 01-MAR-2000; 2000WO-US05601.
PR 02-MAR-2000; 2000WO-US05841.
PR 20-MAR-2000; 2000WO-US07377.
PR 30-MAR-2000; 2000WO-US08439.
PR 15-MAY-2000; 2000WO-US13358.
PR 17-MAY-2000; 2000WO-US13705.
PA XX
XX (GETH ) GENENTECH INC.
PI Ashkenazi AJ, Baker KP, Botstein DA, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Kijavini IJ, Mather JP, Napier MA, Pan J;
PI Paoni NF, Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM;
PI Wood WI, Zhang Z;
XX
XX WPI: 2001-050091/06.
DR P-PSDB; AAB31201.
XX
XX Isolated nucleic acid molecule encoding a PRO polypeptide which is a
XX transmembrane polypeptide is useful for gene therapy and identification
XX of related polypeptides -
XX
XX Claim 2; Fig 45; 244pp: English.
XX
XX The present sequence encodes a human secreted and transmembrane
XX polypeptide. The specification describes human polypeptides, designated
XX PRO196, PRO444, PRO183, PRO185, PRO210, PRO215, PRO217, PRO242, PRO288,
XX PRO365, PRO1361, PRO1308, PRO1183, PRO1272, PRO1419, PRO4999, PRO7170,
XX PRO248, PRO353, PRO1318, PRO1600, PRO9840, PRO533, PRO301, PRO187,
XX PRO337, PRO1411, PRO4356, PRO246, PRO265, PRO941, PRO10096, PRO6003,
XX PRO6004, PRO350, PRO2630 and PRO6309. The biological activity of cells
XX can be modulated with agents that bind to these polypeptides, resulting
XX in the death of the cells. The polynucleotides encoding of the
XX polypeptides are useful in the recombinant production of the
XX polypeptides, as a hybridisation probe to screen libraries to isolate
XX homologous sequences, or to map the gene. They may also be used for
XX analysing genetic disorders, and to produce transgenic animals which are
XX useful for the development and screening of therapeutically useful
XX reagents. The polynucleotides can also be used in gene therapy e.g. to
XX replace a defective gene.
XX
XX Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other;
XX
XX Query Match 100.0%; Score 2137; DB 22; Length 2137;
XX Best Local Similarity 100.0%; Pred. No. 0;
XX Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTCCAGCCAGAACCTCGGGCGCTGCGCGGTGGGGAGGAGTTCCCGCAACCCGGC 60
DB 1 GCTCCAGCCAGAACCTCGGGCGCTGCGCGGTGGGGAGGAGTTCCCGCAACCCGGC 60
QY 61 CGCTAAGCGAGGCGCTCTCTCCCGCAGATCCGAACCGCTGGGCGGGGTCAACCCGGCT 120
DB 61 CGCTAAGCGAGGCGCTCTCTCTCCCGCAGATCCGAACCGCTGGGCGGGGTCAACCCGGCT 120
QY 121 GGGACAAGAACCCCGCCCTGCTTCCCGCGGCGGCGGAGGGGCTGGGGCTGGGGCGGG 180
DB 121 GGGACAAGAACCCCGCCCTGCTTCCCGCGGCGGCGGAGGGGCTGGGGCTGGGGCGGG 180
```

[illegible]

RESULT 6

AAFW2382
ID AAF72382 standard; cDNA; 2137 BP.

AA
AC AAF72382;

DT 24-APR-2001 (first entry)

Human PRO533 cDNA.

Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory;
KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;
KW antiangiogenic; vasotropic; antiasumatic; antirheumatic; cancer;
XX

KW	antiarthritic; antinfertility; antidiabetic; antiviral; diabetes;
KW	ophthalmological; gene therapy; skin disease; gastrointestinal disorder
KW	ischemia; inflammation; ss.
XX	
OS	Homo sapiens.
XX	
PN	WO200104311-A1.
XX	
PD	18-JAN-2001.
XX	
XX	22-FEB-2000; 2000WO-US04414.
PF	
XX	07-JUL-1999; 99US-0143048.
XX	26-JUL-1999; 99US-0145698.
PR	28-JUL-1999; 99US-0146222.
PR	08-SEP-1999; 99WO-US20594.
PR	13-SEP-1999; 99WO-US20944.
PR	15-SEP-1999; 99WO-US21090.
PR	15-SEP-1999; 99WO-US21547.
PR	05-OCT-1999; 99WO-US23089.
PR	29-NOV-1999; 99WO-US28214.
PR	30-NOV-1999; 99WO-US28313.
PR	16-DEC-1999; 99WO-US30095.
PR	20-DEC-1999; 99WO-US30911.
PR	20-DEC-1999; 99WO-US30999.
PR	05-JAN-2000; 99WO-US00219.
XX	
PA	(GETH) GENENTECH INC.
XX	
PI	Askenazi AJ, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
PI	Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
PI	Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Kljavin IJ;
PI	Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Fumas B;
PI	Williams PM, Wood WI;
XX	
DR	WPI: 2001-081051/09.
DR	P-PSDB; AAB80221.
XX	
PT	Sixty one nucleic acids encoding PRO polypeptides which are useful in
PT	the treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung
PT	squamous cell carcinoma) and neurodegenerative diseases (e.g.
PT	Alzheimer's disease) -
XX	
XX	Claim 2: Fig 21: 393pp: English.
XX	
CC	The present sequence is one of sixty one nucleic acids encoding novel
CC	secreted and transmembrane PRO polypeptides. The PRO polypeptides are
CC	useful for treating skin diseases (e.g. psoriasis), cancers (e.g. lung
CC	squamous cell carcinoma), gastrointestinal disorders (e.g.
CC	enterocolitis), neurodegenerative diseases (e.g. Alzheimer's disease,
CC	Parkinson's disease), wound repair, cardiovascular disorders (e.g.
CC	endometrial bleeding angiogenesis, ischaemias such as coronary
CC	ischaemia, atherosclerosis), inflammatory disorders (e.g. asthma,
CC	rheumatoid arthritis, multiple sclerosis), infertility, AIDS and
CC	diabetes and retinal disorders such as retinitis pigmentosum.
CC	The PRO nucleic acids have applications in molecular biology, including
CC	use as hybridization probes, and in chromosome and gene mapping.
XX	
XX	Sequence 2137 BP: 422 A: 648 C: 598 G: 469 T: 0 other:

Query Match	100.0%;	Score 2137;	DB 22;	Length 2137;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 2137; Conservation	0	Mismatches	0	Indels

Best Local Similarity 100.0%; Fied. NO. 0;
Matches 2137: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

0Y 1 GCTCCAGCCAAGAACCTCGGGGCGCGCTGGCGGGTGGGGAGGAGTTCCCGAAACCGGC 60

Db 1 GCTCCCAGCCAAAGAACCTCGGGGCGCTGCCGCGTGGGAGGAGTTCCCCGAAACCCGGC 60

51 CGCTAAGCGAGGGCTCTCTCTCCGACAGTCCGAACGGCCTGGGCGGGTCACTCCGGCT

61 CGCTAAGCGAGGCTCTCTCTCCCGCAGA"CCGAACGGGCTCGGGCGGGG"TCACCCCGCT 120

121 GGGACAAGAGCGCGCGCTGCCCTGCCCGGCGCGGAGGGGCTGGGGCTGGGGCCGG 180

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Db 121 GGGACAAGAGCCGCCCTGCCCTGCCGCGCGCGGGAGGGGCTGGGCTGGGCGCG 180
Qy 181 AGCGGGGTGTGAGTGGGTGTGCGGGGGCGGAGGCTTGCATCAATCCGATACGAAA 240
Db 181 AGCGGGGTGTGAGTGGGTGTGCGGGGGCGGAGGCTTGCATCAATCCGATACGAAA 240
Qy 241 TGCTCGGGTGTCTTTGGACACTACCCGTGGGCGCCGTAAGGCGCTACTATATAAGGCTGC 300
Db 241 TGCTCGGGTGTCTTTGGACACTACCCGTGGGCGCCGTAAGGCGCTACTATATAAGGCTGC 300
Qy 301 CGGCGCGAGCGCGCGCGCTCAGACGAGGAGGCTGCTCAGGATCTAGGGCCACGA 360
Db 301 CGGCGCGAGCGCGCGCGCTCAGACGAGGAGGCTGCTCAGGATCTAGGGCCACGA 360
Qy 361 CCATCCCAACCGCGCACTCAGCGCCCGCAGCGCATCCCGTGCGCCCGCAGCCTCCCGC 420
Db 361 CCATCCCAACCGCGCACTCAGCGCCCGCAGCGCATCCCGTGCGCCCGCAGCCTCCCGC 420
Qy 421 ACCCCCATCGCGGAGCTGCGCGGAGAGCCCCAGGAGGTGCCATGCGGAGCGGGTGTGT 480
Db 421 ACCCCCATCGCGGAGCTGCGCGGAGAGCCCCAGGAGGTGCCATGCGGAGCGGGTGTGT 480
Qy 481 GGTGGTCCAGTATGGATCTTGGCGCGGCTTGCTGGCTGGCGGTGCCCGGGCGCCCTCGC 540
Db 481 GGTGGTCCAGTATGGATCTTGGCGCGGCTTGCTGGCTGGCGGTGCCCGGGCGCCCTCGC 540
Qy 541 CTTCTCGAGCGGGGCGCCACGTGCACACTACGGCTGGGGCGACCCCATCCGCTCGCGCA 600
Db 541 CTTCTCGAGCGGGGCGCCACGTGCACACTACGGCTGGGGCGACCCCATCCGCTCGCGCA 600
Qy 601 CTTGTACACCTCGCGGCGCCACGGGCTCTCCAGTGTCTCTGCGGCATCCGTGCGCAGG 660
Db 601 CTTGTACACCTCGCGGCGCCACGGGCTCTCCAGTGTCTCTGCGGCATCCGTGCGCAGG 660
Qy 661 CGTGTGAGTGGCGGGGCGCCAGCGCGCACAGTTGCTGGAGATCAAGGCGAGTGC 720
Db 661 CGTGTGAGTGGCGGGGCGCCAGCGCGCACAGTTGCTGGAGATCAAGGCGAGTGC 720
Qy 721 TCTGCGGACCGTGCCCATCAAGGCGGTGCACAGCGTCCGCTACCTCTGCATGGCGCGCA 780
Db 721 TCTGCGGACCGTGCCCATCAAGGCGGTGCACAGCGTCCGCTACCTCTGCATGGCGCGCA 780
Qy 781 CGGCAAGATCGAGGGGTGTCTCAGTACTCGGAGGAAGTGTCTTCAGAGAGGAGAT 840
Db 781 CGGCAAGATCGAGGGGTGTCTCAGTACTCGGAGGAAGTGTCTTCAGAGAGGAGAT 840
Qy 841 CCGCCAGATGGCTACAAATGTGTACCGATCCGAGAAGCACCGCTCCGGTCTCCCTGAG 900
Db 841 CCGCCAGATGGCTACAAATGTGTACCGATCCGAGAAGCACCGCTCCGGTCTCCCTGAG 900
Qy 901 CAGTGGCAAAACAGCGGAGCTGTACAAAGAACAGAGGCTTTCTTCCACTCTCTCATTTCC 960
Db 901 CAGTGGCAAAACAGCGGAGCTGTACAAAGAACAGAGGCTTTCTTCCACTCTCTCATTTCC 960
Qy 961 GCCCATGCTGCCATGTCTCCAGAGGAGCTGAGGACCTCAGGGGCGACCTTGAATCTGA 1020
Db 961 GCCCATGCTGCCATGTCTCCAGAGGAGCTGAGGACCTCAGGGGCGACCTTGAATCTGA 1020
Qy 1021 CATGTTCTCTTCGCCCTCGGAGACCGGACAGCATGGACCCATTTGGGCTTGTACCGGACT 1080
Db 1021 CATGTTCTCTTCGCCCTCGGAGACCGGACAGCATGGACCCATTTGGGCTTGTACCGGACT 1080
Qy 1081 GGAGGCGGTGAGGAGTCCCAGCTTTGAGAAGTAACACTGAGACCATGCGCGGCGCTCTTCAC 1140
Db 1081 GGAGGCGGTGAGGAGTCCCAGCTTTGAGAAGTAACACTGAGACCATGCGCGGCGCTCTTCAC 1140
Qy 1141 TGCTGCCAGGGGTGTGGTACCTGCACGCTGGGGAGCTGCTTCTACAAAGACAGTCTCTG 1200
Db 1141 TGCTGCCAGGGGTGTGGTACCTGCACGCTGGGGAGCTGCTTCTACAAAGACAGTCTCTG 1200
Qy 1201 AGTCCAGTCTCTGTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCAGTCTCTGTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
```

```
Db 1201 AGTCCAGTCTCTGTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Qy 1261 TCCATTGGCAGTGCAGTTTCTAGCCCAATAGACTTGTCTGATCATATAACATTGTAAGCTG 1320
Db 1261 TCCATTGGCAGTGCAGTTTCTAGCCCAATAGACTTGTCTGATCATATAACATTGTAAGCTG 1320
Qy 1321 TAGCTTGCCGAGCTGTGCTGGGCCCCCAATCTGTCTCCCTCGAGGTGCTGGACAAGCT 1380
Db 1321 TAGCTTGCCGAGCTGTGCTGGGCCCCCAATCTGTCTCCCTCGAGGTGCTGGACAAGCT 1380
Qy 1381 GCTGCACTGTCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACATCAGTCTCTTTTGA 1440
Db 1381 GCTGCACTGTCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACATCAGTCTCTTTTGA 1440
Qy 1441 AAAATTTCTATGTCAAGCTGAAATTTCTAAATTTTCTCATCTCACTTCCCGCAGGAGCAGC 1500
Db 1441 AAAATTTCTATGTCAAGCTGAAATTTCTAAATTTTCTCATCTCACTTCCCGCAGGAGCAGC 1500
Qy 1501 CAGAAGACAGGCTAGTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAAAACAGCAGG 1560
Db 1501 CAGAAGACAGGCTAGTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAAAACAGCAGG 1560
Qy 1561 TAAATTTCACTCAAGCCCATGTGGGAATTCATCTATATCTCTACTTCCAGGGACCATTTG 1620
Db 1561 TAAATTTCACTCAAGCCCATGTGGGAATTCATCTATATCTCTACTTCCAGGGACCATTTG 1620
Qy 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGACTGGAGCAGGCATGGCCACAGGCTTCA 1680
Db 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGACTGGAGCAGGCATGGCCACAGGCTTCA 1680
Qy 1681 GGAGTAGGGGAAGCTGGAGCCCTCAGCCCTCAGCCCTGGGACAACCTTGAGAATTCGCCCTGA 1740
Db 1681 GGAGTAGGGGAAGCTGGAGCCCTCAGCCCTCAGCCCTGGGACAACCTTGAGAATTCGCCCTGA 1740
Qy 1741 GGCCAGTTCTCATGGATGCTGCTGAGAATAAATTTGCTGCCGGTGTCACTCTGCTT 1800
Db 1741 GGCCAGTTCTCATGGATGCTGCTGAGAATAAATTTGCTGCCGGTGTCACTCTGCTT 1800
Qy 1801 CCATCTCCAGCCCGCAGCCCTCTGCCACCTCACAATGCTCCCATGATGGATTTGGGCGCT 1860
Db 1801 CCATCTCCAGCCCGCAGCCCTCTGCCACCTCACAATGCTCCCATGATGGATTTGGGCGCT 1860
Qy 1861 CCAGGCGCCCGCAGCTTATGTCAACCTGCACTTCTTGTTCAAAATCAGGAAAGAAAG 1920
Db 1861 CCAGGCGCCCGCAGCTTATGTCAACCTGCACTTCTTGTTCAAAATCAGGAAAGAAAG 1920
Qy 1921 ATTTGAAGACCCCAAGTCTTGTCAATAAATTTGCTGTGGAAGCAGCGGGGAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGTCTTGTCAATAAATTTGCTGTGGAAGCAGCGGGGAGACCTA 1980
Qy 1981 GAACCCCTTCCCGCAGCAGTGGTTTTCCAAACATGATATTTATGAGTAATTTATTTTGA 2040
Db 1981 GAACCCCTTCCCGCAGCAGTGGTTTTCCAAACATGATATTTATGAGTAATTTATTTTGA 2040
Qy 2041 TGTACATCTCTTATTTCTTACATATTTATGCCCCAAATATATTTATGATGTAAGT 2100
Db 2041 TGTACATCTCTTATTTCTTACATATTTATGCCCCAAATATATTTATGATGTAAGT 2100
Qy 2101 GAGTTTGTTTTGTATATTAATAATGAGTTTGT 2137
Db 2101 GAGTTTGTTTTGTATATTAATAATGAGTTTGT 2137
```

RESULT 7

ABL95599

ID ABL95599 standard; cDNA; 2137 BP.

XX ABL95599;

AC ABL95599;

XX 19-JUL-2002 (first entry)

XX Human angiogenesis related cDNA PR0533 SEQ ID NO: 77.

XX

KW Human; angiogenesis; PRO protein; cardiovascularisation: wound; cancer;
KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
KW cardiac; cytostatic; antiangiogenic; hypotensive; vulnery;
XX antiarteriosclerotic; gene: ss.
OS Homo sapiens.
XX WO200208284-A2.
XX 31-JAN-2002.
XX 09-JUL-2001; 2001WO-US21735.
XX 20-JUL-2000; 2000US-219556P.
PR 25-JUL-2000; 2000US-220624P.
PR 25-JUL-2000; 2000US-220664P.
PR 28-JUL-2000; 2000WO-US20710.
PR 02-AUG-2000; 2000US-222695P.
PR 17-AUG-2000; 2000US-0643657.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 07-SEP-2000; 2000US-230978P.
PR 15-SEP-2000; 2000US-000000P.
PR 18-SEP-2000; 2000US-0664610.
PR 18-SEP-2000; 2000US-0665350.
PR 24-OCT-2000; 2000US-242922P.
PR 08-NOV-2000; 2000US-0709238.
PR 08-NOV-2000; 2000WO-US30952.
PR 10-NOV-2000; 2000WO-US30873.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000US-0747259.
PR 20-DEC-2000; 2000WO-US34956.
PR 22-JAN-2001; 2001US-0767609.
PR 28-FEB-2001; 2001US-0796498.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-MAR-2001; 2001WO-US06666.
PR 09-MAR-2001; 2001US-0802706.
PR 14-MAR-2001; 2001US-0808689.
PR 22-MAR-2001; 2001US-0816744.
PR 05-APR-2001; 2001US-0828366.
PR 10-MAY-2001; 2001US-0854208.
PR 10-MAY-2001; 2001US-0854280.
PR 25-MAY-2001; 2001US-0866028.
PR 25-MAY-2001; 2001US-0866034.
PR 25-MAY-2001; 2001WO-US17092.
PR 30-MAY-2001; 2001US-0870574.
PR 30-MAY-2001; 2001WO-US17443.
PR 01-JUN-2001; 2001WO-US17800.
PR 20-JUN-2001; 2001WO-US19692.
PR 28-JUN-2001; 2001WO-US00000.
XX (GETH) GENENTECH INC.
PA (BAKE/) BAKER K P.
PA (FERR/) FERRARA N.
PA (GERB/) GERBER H.
PA (GERR/) GERRITSEN M E.
PA (GODD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GURN/) GURNEY A L.
PA (HILL/) HILLAN K J.
PA (MARS/) MARSTERS S A.
PA (PANJ/) PAN J.
PA (PAON/) PAONI N F.
PA (STEP/) STEPHAN J F.
PA (WATA/) WATANABE C K.
PA (WILL/) WILLIAMS P M.
PA (WOOD/) WOOD W I.
XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX WPI; 2002-171999/22.

DR P-PSDB; AB95461.
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal -
XX
PS Claim 1: Fig 77: 567pp: English.
XX
CC The present invention provides the protein and coding sequences of human
CC PRO proteins. These are useful for treating or diagnosing a
CC cardiovascular, endothelial or angiogenic disorder, including cardiac
CC hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The present sequence is a coding sequence of the invention.
XX
SQ Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other;

Query Match 100.0%; Score 2137; DB 24; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GCTCCAGCCACAACTCGGGCCCTGCGCGTGGGAGGAGTTCCCCCAACCCGGC 60
|||||
Db 1 GCTCCAGCCACAACTCGGGCCCTGCGCGTGGGAGGAGTTCCCCCAACCCGGC 60

OY 61 CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCGAACGGCTGGCGGGTACCCCGGCT 120
|||||
Db 61 CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCGAACGGCTGGCGGGTACCCCGGCT 120

OY 121 GGCACAAGAGCCCGCCCTGCTGCCCGGGCCCGGGAGGGGCTGGGGCTGGGGCCGG 180
|||||
Db 121 GGCACAAGAGCCCGCCCTGCTGCCCGGGCCCGGGAGGGGCTGGGGCTGGGGCCGG 180

OY 181 AGCGGGGTGTGAGTGGGTGTGTGCGGGGGGGCGGAGGCTTGTATCCATCCGTAAGAAA 240
|||||
Db 181 AGCGGGGTGTGAGTGGGTGTGTGCGGGGGGGCGGAGGCTTGTATCCATCCGTAAGAAA 240

OY 241 TGCTCGGGTCTTTGGGCACCTACCCGTGGGGCCCGTAAGCGCTACTATATAGGCTGC 300
|||||
Db 241 TGCTCGGGTCTTTGGGCACCTACCCGTGGGGCCCGTAAGCGCTACTATATAGGCTGC 300

OY 301 CGGCCCGGAGCCCGCGCGCTCAGAGCAGAGCGCTGCGTCCAGGATCTTAGGCCACGA 360
|||||
Db 301 CGGCCCGGAGCCCGCGCGCTCAGAGCAGAGCGCTGCGTCCAGGATCTTAGGCCACGA 360

OY 361 CCATCCCAACCGGCACTACAGCCCGCGCAGCGCATCCCGGTGCGCGCCAGGCTCCCGC 420
|||||
Db 361 CCATCCCAACCGGCACTACAGCCCGCGCAGCGCATCCCGGTGCGCGCCAGGCTCCCGC 420

OY 421 ACCCCATCGCGAGCTGCGCGAGAGCCCGCAGGGAGTGGCATCGGAGCGGCTGTGT 480
|||||
Db 421 ACCCCATCGCGAGCTGCGCGAGAGCCCGCAGGGAGTGGCATCGGAGCGGCTGTGT 480

OY 481 GGTGTCCACGTATGGATCTTGGCGGCGCTCTGGCTGGCGTGGCGGGGGTCTTCGTCGC 540
|||||
Db 481 GGTGTCCACGTATGGATCTTGGCGGCGCTCTGGCTGGCGTGGCGGGGGTCTTCGTCGC 540

OY 541 CTTCTCGGAGCGGGGCGCCACGTGACCTACGGCTGGGGGAGCCCATCGGCTCGGGCA 600
|||||
Db 541 CTTCTCGGAGCGGGGCGCCACGTGACCTACGGCTGGGGGAGCCCATCGGCTCGGGCA 600

OY 601 CTTGTACCTCGCGGCCCGCCACGGGCTCTCCAGCTCTTCTCCGCATCGTCCGACGG 660
|||||
Db 601 CTTGTACCTCGCGGCCCGCCACGGGCTCTCCAGCTCTTCTCCGCATCGTCCGACGG 660

OY 661 CTTGTGTGACTGCGCGGGGGCGCAGAGCGCACAGTCTTCTGGAGATCAAGCAGTCGC 720
|||||
Db 661 CTTGTGTGACTGCGCGGGGGCGCAGAGCGCACAGTCTTCTGGAGATCAAGCAGTCGC 720

OY 721 TCTGCGGACCGTGGGCCATCAAGGGCTGCACAGCGTGGGCTACCTCTGTATGGGCCCGCA 780
|||||

Db 721 TCTGCGGACCGTGGCCATCAAGGGCGTGCACAGCGTCCGGTACTCTCTGCAATGGCGCCGA 780
Qy 781 CGGCAAGATGACAGGGCTGCTTCAGTACTCGGAGGAAGACTGTCTTTCAGAGGAGAGAT 840
Db 781 CGGCAAGATGACAGGGCTGCTTCAGTACTCGGAGGAAGACTGTCTTTCAGAGGAGAGAT 840
Qy 841 CGGCCAGATGGCTACAAATGTGTACCGATCCGAGAAGCACGGCTCCCGGTCTCCCTGAG 900
Db 841 CGGCCAGATGGCTACAAATGTGTACCGATCCGAGAAGCACGGCTCCCGGTCTCCCTGAG 900
Qy 901 CAGTGCACAAACAGCGGACGTGTACAGAAGACAGAGGCTTCTTCCCACTCTCTCATTTCC 960
Db 901 CAGTGCACAAACAGCGGACGTGTACAGAAGACAGAGGCTTCTTCCCACTCTCTCATTTCC 960
Qy 961 GCCCATGCTGCCATGCTCCACAGAGGACCTGAGGACCTCAGGGGCGACATTGGAATCTGA 1020
Db 961 GCCCATGCTGCCATGCTCCACAGAGGACCTGAGGACCTCAGGGGCGACATTGGAATCTGA 1020
Qy 1021 CATGTTCTCTTCCGCTCGGAGACCGACAGATGGAGCCCATTTGGGCTTGTCAACCGGACT 1080
Db 1021 CATGTTCTCTTCCGCTCGGAGACCGACAGATGGAGCCCATTTGGGCTTGTCAACCGGACT 1080
Qy 1081 GGAGGCGTGCAGAGTCCCAAGCTTTGAGAAGTAACCTGAGACCATGCGCGGCGCTCTTCAC 1140
Db 1081 GGAGGCGTGCAGAGTCCCAAGCTTTGAGAAGTAACCTGAGACCATGCGCGGCGCTCTTCAC 1140
Qy 1141 TGTGTCAGGGGCTGTGCTACCTGCAGCGTGGGGAGCTGCTTCTACAAGAACAGTCTCTG 1200
Db 1141 TGTGTCAGGGGCTGTGCTACCTGCAGCGTGGGGAGCTGCTTCTACAAGAACAGTCTCTG 1200
Qy 1201 AGTCCAGCTTCTGTTAGCTTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCAGCTTCTGTTAGCTTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Qy 1261 TCCATTGGCAGTGCCAGTTTCTAGCCAAATAGACTGTCTGATACATACATTGTAAGCTG 1320
Db 1261 TCCATTGGCAGTGCCAGTTTCTAGCCAAATAGACTGTCTGATACATACATTGTAAGCTG 1320
Qy 1321 TAGCTGCCAGCTGTGCTCGGCGCCCAATCTGCTCCCTCGAGGTTGTCAGACAGCT 1380
Db 1321 TAGCTGCCAGCTGTGCTCGGCGCCCAATCTGCTCCCTCGAGGTTGTCAGACAGCT 1380
Qy 1381 GCTGCAGCTGTCTGCTGCTCAATACCTCCATCGATCGAGGAACATCTCTTTTGA 1440
Db 1381 GCTGCAGCTGTCTGCTGCTCAATACCTCCATCGATCGAGGAACATCTCTCTTTTGA 1440
Qy 1441 AAAATCTTATGTCAAGCTGAAATCTCTAAATTTTCTCATCTCTCCACGAGGACGC 1500
Db 1441 AAAATCTTATGTCAAGCTGAAATCTCTAAATTTTCTCATCTCTCCACGAGGACGC 1500
Qy 1501 CAGAAGACAGGCTAGTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAAAACAGCAGG 1560
Db 1501 CAGAAGACAGGCTAGTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAAAACAGCAGG 1560
Qy 1561 TAAATTTCACTCAACCCCATGTGGGAATTCATATATCTCTACTTCCAGGGACCATTTG 1620
Db 1561 TAAATTTCACTCAACCCCATGTGGGAATTCATATATCTCTACTTCCAGGGACCATTTG 1620
Qy 1621 CCCTTCCCAATCCCTCAGGCCAGAACTGACTGGAGCAGCATGGCCCAACAGGCTTCA 1680
Db 1621 CCCTTCCCAATCCCTCAGGCCAGAACTGACTGGAGCAGCATGGCCCAACAGGCTTCA 1680
Qy 1681 GGAGTAGGGAAGCCTGGAGCCCCACTCCAGCCCTGGGACAACATTGAGAATTCCTCCCTGA 1740
Db 1681 GGAGTAGGGAAGCCTGGAGCCCCACTCCAGCCCTGGGACAACATTGAGAATTCCTCCCTGA 1740
Qy 1741 GGCCAGTTCTGTATGATGCTGTCTTGAGAACTTGTGTCTCCCGGTGTCACTGCTT 1800
Db 1741 GGCCAGTTCTGTATGATGCTGTCTTGAGAACTTGTGTCTCCCGGTGTCACTGCTT 1800
Qy 1801 CCATCTCCAGCCCAACAGCCCTCTGCCACCTCACATGCTCCCAATGATTGGGCGCT 1860
Db 1801 CCATCTCCAGCCCAACAGCCCTCTGCCACCTCACATGCTCCCAATGATTGGGCGCT 1860

Qy 1861 CCAGGCCCCCACCCTTATGTCAACCTGCACCTTCTTTTCAAAATCAGGAAAAAAG 1920
Db 1861 CCAGGCCCCCACCCTTATGTCAACCTGCACCTTCTTTTCAAAATCAGGAAAAAAG 1920
Qy 1921 ATTGGAAGACCCCAAGTCTTGTCAATCACTTGTGTGTGAAGCAGCGGGGAAGACCTA 1980
Db 1921 ATTGGAAGACCCCAAGTCTTGTCAATCACTTGTGTGTGAAGCAGCGGGGAAGACCTA 1980
Qy 1981 GAACCTTTCCCGACGACTTGGTTTCCCAACATGATATTTATGAGTAATTTATTTTGATA 2040
Db 1981 GAACCTTTCCCGACGACTTGGTTTCCCAACATGATATTTATGAGTAATTTATTTTGATA 2040
Qy 2041 TGTACATCTCTTATTTTCTTACATTTATTTATGCCCAAAATTTATTTATGATSTAAGT 2100
Db 2041 TGTACATCTCTTATTTTCTTACATTTATTTATGCCCAAAATTTATTTATGATSTAAGT 2100
Qy 2101 GAGTTTGGTTTGTATATTAATAATGGAGTTTGTGT 2137
Db 2101 GAGTTTGGTTTGTATATTAATAATGGAGTTTGTGT 2137

RESULT 8
ABL88110
ID ABL88110 standard; cDNA; 2137 BP.
XX
AC ABL88110;
AC
XX
DT 16-MAY-2002 (first entry)
XX
DE Human PR0533 cDNA sequence SEQ ID NO:77.
DE
KW Human; angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KW vulnery; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW age-related macular degeneration; arterial restenosis; angina;
KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW lymphangitis; tumor angiogenesis; breast carcinoma; liver carcinoma;
KW wound healing; chromosome mapping; gene mapping; gene; ss.
OS Homo sapiens.
XX
PN WO200200690-A2.
XX
PD 03-JAN-2002.
XX
PF 20-JUN-2001; 2001WO-US19692.
XX
PR 23-JUN-2000; 2000US-213637P.
PR 20-JUL-2000; 2000US-219556P.
PR 25-JUL-2000; 2000US-220624P.
PR 25-JUL-2000; 2000US-220664P.
PR 28-JUL-2000; 2000WO-US20710.
PR 02-AUG-2000; 2000US-222695P.
PR 17-AUG-2000; 2000US-0643657.
PR 24-AUG-2000; 2000WO-US23522.
PR 07-SEP-2000; 2000US-230978P.
PR 18-SEP-2000; 2000US-0664610.
PR 18-SEP-2000; 2000US-0665350.
PR 24-OCT-2000; 2000US-242922P.
PR 08-NOV-2000; 2000US-0709238.
PR 08-NOV-2000; 2000WO-US30952.
PR 10-NOV-2000; 2000WO-US30873.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000WO-US34956.
PR 22-JAN-2001; 2001US-0767609.
PR 28-FEB-2001; 2001US-0796498.
PR 28-FEB-2001; 2001WO-US06520.
PR 01-MAR-2001; 2001WO-US06666.
PR 09-MAR-2001; 2001US-0802706.

14-MAR-2001; 2001US-0808689.
22-MAR-2001; 2001US-0816744.
05-APR-2001; 2001US-0828366.
10-MAY-2001; 2001US-0854208.
10-MAY-2001; 2001US-0854280.
25-MAY-2001; 2001US-0866028.
25-MAY-2001; 2001US-0866034.
25-MAY-2001; 2001US-0866034.
30-MAY-2001; 2001US-0870574.
30-MAY-2001; 2001US-0870574.
01-JUN-2001; 2001US-0871780.
XX (GETH) GENENTECH INC.
PA Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
XX Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NP;
PI Stephan JF, Watanabe CK, Williams PM, Wood WJ, Ye W;
XX
DR WPI: 2002-090516/12.
DR P-PSDB: ABB84855.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal -
XX
XX Claim 2; Fig 77; 565pp; English.
XX
CC ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to
CC ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
CC antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic
CC activities, and can be used in gene therapy. The PRO polynucleotides,
CC proteins, agonists and antagonists are useful for treating or diagnosing
CC a cardiovascular, endothelial or angiogenic disorder in a mammal,
CC e.g. cardiac hypertrophy, trauma, cancer, age-related macular
CC degeneration, atherosclerosis, hypertension, arterial restenosis,
CC rheumatoid arthritis, angina, myocardial infarctions, thrombophlebitis,
CC lymphangitis, tumour angiogenesis (such as breast carcinoma and liver
CC carcinoma) and wound healing. The PRO polynucleotides have applications
CC in molecular biology, including use as hybridisation probes, and in
CC chromosome and gene mapping. ABL88259 to ABL88267 represent primers and
CC probes used in the exemplification of the present invention.
XX
XX Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other;
SQ

Query Match 100.0%; Score 2137; DB 24; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCAAGAACCTCGGGGCGCTCGCGGTGGGGAGGAGTTCCCGCAACCCGGC 60
DB 1 GCTCCAGCAAGAACCTCGGGGCGCTCGCGGTGGGGAGGAGTTCCCGCAACCCGGC 60

QY 61 CGCTAAGCGAGGCTCTCTCCCGCAGATCCGACGGCTCGGGGGGTACCCCGCT 120
DB 61 CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCGACGGCTCGGGGGGTACCCCGCT 120

QY 121 GGGACAAGAGCCGCGCTGCTCCCGGGCCCGGGAGGGGGCTGGGGCTGGGGCCGG 180
DB 121 GGGACAAGAGCCGCGCTGCTCCCGGGCCCGGGAGGGGGCTGGGGCTGGGGCCGG 180

QY 181 AGCGGGGTGTAGTGGGTGTGTGGGGGGGGGGGGGGGGGTGTGTAATCCCGATAAGAAA 240
DB 181 AGCGGGGTGTAGTGGGTGTGTGGGGGGGGGGGGGGGGGTGTGTAATCCCGATAAGAAA 240

QY 241 TGCTCGGGGTGTCTGGGCACTACCGCTGGGGCCCGTAAGGGCTACTATATAGGCTGC 300
DB 241 TGCTCGGGGTGTCTGGGCACTACCGCTGGGGCCCGTAAGGGCTACTATATAGGCTGC 300

QY 301 CGGGCCGGAGCCGCGCGCTCAGACGAGGAGCGCTGCGTCAGGATCTAGGGCCACGA 360
DB 301 CGGGCCGGAGCCGCGCGCTCAGACGAGGAGCGCTGCGTCAGGATCTAGGGCCACGA 360

QY 361 CCATCCCAACCGGCACCTCACAGCCCGCCAGCGCATCCCGGTGGCGGCCAGCCCTCCCGC 420

DB 361 CCATCCCAACCGGCACCTCACAGCCCGCAGCGCATCCCGGTGGCGGCCAGGCTCCCGC 420
QY 421 ACCCCCATCGCGGAGCTCGCGCGAGAGCCCGCAGGAGGTGCATCGGAGCGGTGTGT 480
DB 421 ACCCCCATCGCGGAGCTCGCGCGAGAGCCCGCAGGAGGTGCATCGGAGCGGTGTGT 480
QY 481 GGTGTGCCACGTATGGATCTTGGCGGCGCTTGGCTGGCGGTGGCGGGCGGCTCTCGC 540
DB 481 GGTGTGCCACGTATGGATCTTGGCGGCGCTTGGCTGGCGGTGGCGGGCGGCTCTCGC 540
QY 541 CTTTCTCGGACGG 600
DB 541 CTTTCTCGGACGG 600
QY 601 CTTGTACACCTCGCGGCGCCCGCCAGCGCTCCAGCTCTTCTCGCGCATCGCTCGGACGG 660
DB 601 CTTGTACACCTCGCGGCGCCCGCCAGCGCTCCAGCTCTTCTCGCGCATCGCTCGGACGG 660
QY 661 CTTGTGGACTCGCGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 720
DB 661 CTTGTGGACTCGCGCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 720
QY 721 TCTGGGACCGTGGCGCATCAAGGGCGTGCACAGCGGTGGCGGTGGCGGTGGCGGTGG 780
DB 721 TCTGGGACCGTGGCGCATCAAGGGCGTGCACAGCGGTGGCGGTGGCGGTGGCGGTGG 780
QY 781 CGGCAAGATGCAGGGGCTCTTCTAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGGAGAT 840
DB 781 CGGCAAGATGCAGGGGCTCTTCTAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGGAGAT 840
QY 841 CGCGCCAGATGGCTACAATGTGTACCGATCCGAGAGACACCGGCTCCCGGTCTTCCGTAG 900
DB 841 CGCGCCAGATGGCTACAATGTGTACCGATCCGAGAGACACCGGCTCCCGGTCTTCCGTAG 900
QY 901 CAGTGCACAAACAGCGGCGCTGTACAAAGAACAGAGGCTTCTTCCACTCTCTCATTTTCT 960
DB 901 CAGTGCACAAACAGCGGCGCTGTACAAAGAACAGAGGCTTCTTCCACTCTCTCATTTTCT 960
QY 961 GCGCATGTGCTCCATGTGCTCCAGAGGAGGCTCGAGGACCTCAGGGGGCACCTTGAATCTGA 1020
DB 961 GCGCATGTGCTCCATGTGCTCCAGAGGAGGCTCGAGGACCTCAGGGGGCACCTTGAATCTGA 1020
QY 1021 CATGTTCCTTCCCGGCTGGAGACCGACAGCATGGACCCATTTGGGCTTGTACACGGACT 1080
DB 1021 CATGTTCCTTCCCGGCTGGAGACCGACAGCATGGACCCATTTGGGCTTGTACACGGACT 1080
QY 1081 GGAGGCGGTGAGGAGTCCCGAGCTTTGAGAAGTAACCTGAGACCATGCGCGGGGCTCTTAC 1140
DB 1081 GGAGGCGGTGAGGAGTCCCGAGCTTTGAGAAGTAACCTGAGACCATGCGCGGGGCTCTTAC 1140
QY 1141 TGCTCCAGGGGCTGTGTACCTGCGAGGCTGGGGGAGCTGCTTCTACAAGAACAGTCCCTG 1200
DB 1141 TGCTCCAGGGGCTGTGTACCTGCGAGGCTGGGGGAGCTGCTTCTACAAGAACAGTCCCTG 1200
QY 1201 AGTCCACGTTCTGTGTAGCTTTAGGAAGAACATCTAGAGTTGTACATATTCAGAGTTT 1260
DB 1201 AGTCCACGTTCTGTGTAGCTTTAGGAAGAACATCTAGAGTTGTACATATTCAGAGTTT 1260
QY 1261 TCATTGGGAGTCCCGAGTTTCTAGCCAAATAGACTTGTCTGATCATCAACATTTGAAGCCTG 1320
DB 1261 TCATTGGGAGTCCCGAGTTTCTAGCCAAATAGACTTGTCTGATCATCAACATTTGAAGCCTG 1320
QY 1321 TAGCTTGGCCAGCTGCTGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 1380
DB 1321 TAGCTTGGCCAGCTGCTGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 1380
QY 1381 GCTGCACTGCTCAGTTCTGTGAATACCTCCATCGATGGGAACTCACTTCTCTTTTGA 1440
DB 1381 GCTGCACTGCTCAGTTCTGTGAATACCTCCATCGATGGGAACTCACTTCTCTTTTGA 1440
QY 1441 AAAATTTCTATGTCAAGCTGAAATTTCTCTAAATTTTTTTTCTCACTTCTCCCGAGGACGC 1500
DB 1441 AAAATTTCTATGTCAAGCTGAAATTTCTCTAAATTTTTTTTCTCACTTCTCCCGAGGACGC 1500

Db 1441 AAAATTTCTTATGTCAGAGCTGAAATCTCTAATTTTTTCTCATCACTTCCCCAGGAGCAGC 1500
QY 1501 CAGAAGACAGCAGTACTTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAAACAGCAGG 1560
Db 1501 CAGAAGACAGCAGTACTTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAAACAGCAGG 1560
QY 1561 TAAATTTCACTCAACCCCATGTGGGAATTCATATATATCTACTTCCAGGGACCATTTG 1620
Db 1561 TAAATTTCACTCAACCCCATGTGGGAATTCATATATATCTACTTCCAGGGACCATTTG 1620
QY 1621 CCCTTCCCAATCCCTCAGGCCAGAACTCACTGGACAGCATGGCCACCAGGCTTCA 1680
Db 1621 CCCTTCCCAATCCCTCAGGCCAGAACTCACTGGACAGCATGGCCACCAGGCTTCA 1680
QY 1681 GGAGTAGGGAAGCTCGAGCCGCCACATCCACGCTCGGACAACTTGAGAATTCCTCCCTGA 1740
Db 1681 GGAGTAGGGAAGCTCGAGCCGCCACATCCACGCTCGGACAACTTGAGAATTCCTCCCTGA 1740
QY 1741 GGCCAGTTCTGTCATGATGCTGCTCGTGAGAACTAATCTGTCCTCCCGTGTCACTGCTT 1800
Db 1741 GGCCAGTTCTGTCATGATGCTGCTCGTGAGAACTAATCTGTCCTCCCGTGTCACTGCTT 1800
QY 1801 CCATCTCCAGCCACAGCCCTCTGCCACCTCACATGCTCCCATGATTTGGGCGCT 1860
Db 1801 CCATCTCCAGCCACAGCCCTCTGCCACCTCACATGCTCCCATGATTTGGGCGCT 1860
QY 1861 CCCAGGCCCCACCTTATGTCACACTGCACTTCTTCTTCAAAATCAGGAAAGAAAG 1920
Db 1861 CCCAGGCCCCACCTTATGTCACACTGCACTTCTTCTTCAAAATCAGGAAAGAAAG 1920
QY 1921 ATTTGAAGACCCCAAGTCTTGTCAATTAATCTGCTGGAAGCAGCGGGGAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGTCTTGTCAATTAATCTGCTGGAAGCAGCGGGGAGACCTA 1980
QY 1981 GAACCCCTTCCCGAGCACTGGTTTCCCAACATGATATTTATGAGTAATTTATTTGATA 2040
Db 1981 GAACCCCTTCCCGAGCACTGGTTTCCCAACATGATATTTATGAGTAATTTATTTGATA 2040
QY 2041 TGTACATCTCTATTTCTTACATATTTATGCCCCCAATATATATATATGATGTAAGT 2100
Db 2041 TGTACATCTCTATTTCTTACATATTTATGCCCCCAATATATATATATGATGTAAGT 2100
QY 2101 GAGGTTTGTGTTGATATATAAATGGAGTTGTTGT 2137
Db 2101 GAGGTTTGTGTTGATATATAAATGGAGTTGTTGT 2137

RESULT 9
ABA92883
ID ABA92883 standard; cDNA; 2137 BP.
XX AC ABA92883;
XX AC ABA92883;
DT 03-APR-2002 (first entry)
XX Human fibroblast growth factor-19 (FGF-19) encoding cDNA SEQ ID NO:1.
DE Human fibroblast growth factor-19; FGF-19; DNA49435-1219; anorectic;
KW Human; fibroblast growth factor-19; FGF-19; DNA49435-1219; anorectic;
KW leptin release inducer; gene therapy; obesity; gene; ss.
XX OS Homo sapiens.
XX FH Key Location/Qualifiers
XX CDS 464..1114
XX FT /*tag= a
XX FT /product= "fibroblast growth factor-19"
XX PN W0200118210-A1.
XX 15-MAR-2001.
XX 09-MAR-2000; 2000WO-US06471.
XX

PR 08-SEP-1999; 99WO-US20594.
PR 15-SEP-1999; 99WO-US21090.
PR 20-DEC-1999; 99WO-US30999.
XX 22-FEB-2000; 2000WO-US04414.
XX
PA (GETH) GENENTECH INC.
XX
XX Stewart TA, Tomlinson E;
PI WPI; 2002-130151/17.
XX P-PSDB; ABB05222.
XX
XX Novel isolated fibroblast growth factor-19 polypeptide useful for
PT treating obesity, for inducing leptin release from adipocyte cells, and
PT for inducing decrease in glucose uptake in adipocyte cells
XX
XX Claim 3; Fig 1; 146pp; English.
XX
CC The present sequence encodes human fibroblast growth factor-19 (FGF-19)
CC protein (I). The cDNA clone encoding (I) is designated DNA49435-1219,
CC and was deposited with ATCC on November 21, 1997 as ATCC Deposit No.
CC 209480. (I) has anorectic activity, and can be used: (a) as an inducer of
CC leptin release from adipocyte cells; (b) as an inducer of decrease in
CC glucose uptake in adipocyte cells; and (c) in gene therapy. (I) is useful
CC for identifying a receptor for FGF-19, by combining (I) with a
CC composition (preferably a cell or cell membrane extract preparation)
CC comprising cell membrane material, where (I) complexes with a receptor on
CC the cell membrane material, and identifying the receptor as a FGF-19
CC receptor. (I) or a polynucleotide (II) encoding (I) can be useful for
CC inducing leptin release from adipocyte cells, or for inducing a decrease
CC in glucose uptake in adipocyte cells, by administering (I) or (II) to the
CC cells. (I) or (II) are useful for reducing the level of triglycerides or
CC free fatty acids in an individual, for increasing the metabolic rate in
CC an individual, for reducing total body mass in an individual, where the
CC reduction in total body mass includes a reduction in fat of the
CC individual, or for treating an individual for obesity or a condition
CC related to obesity, by administering (I) or (II) to the individual. (I)
CC or (II) is useful in tissue typing, and in diagnosis. (II) is useful as
CC hybridisation probes, in chromosome and gene mapping, in the generation
CC of anti-sense RNA and DNA, for the preparation of (I) by recombinant
CC techniques, to generate either transgenic or knock out animals, for
CC chromosome identification, and in gene therapy.
XX
SQ Sequence 2137 BP; 422 A; 648 C; 598 G; 469 T; 0 other;
Query Match 100.0%; Score 2137; DB 24; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTCCAGCCAGAACCTCGGGCCGCTGCGCGTGGGGAGGAGTTCCCGAACCCGCG 60
Db 1 GCTCCAGCCAGAACCTCGGGCCGCTGCGCGTGGGGAGGAGTTCCCGAACCCGCG 60
QY 61 CGCTAAGCAGGCGCTCTCTCCCGAGATCCGAACGCGCTGGCGGGTCACCCCGGCT 120
Db 61 CGTATAGCAGGCGCTCTCTCTCCCGAGATCCGAACGCGCTGGCGGGTCACCCCGGCT 120
QY 121 GGGACAAAGAACCGCGCTGCGCTGCCCGCGCGCGGGAGGGGCTGGGCTGGGCGCG 180
Db 121 GGGACAAAGAACCGCGCTGCGCTGCCCGCGCGCGGGAGGGGCTGGGCTGGGCGCG 180
QY 181 AGCGGGGTGTGAGTGGGTGTGTGCGGGGGCGGAGGCTTGATCCCATCCGTAAGAAA 240
Db 181 AGCGGGGTGTGAGTGGGTGTGTGCGGGGGCGGAGGCTTGATCCCATCCGTAAGAAA 240
QY 241 TGCTCGGGTGTCTTGGCACCTACCCGCTGGGCGCGCTAAGCGCTACTATTAAGGCTGC 300
Db 241 TGCTCGGGTGTCTTGGCACCTACCCGCTGGGCGCGCTAAGCGCTACTATTAAGGCTGC 300
QY 301 CGGCCCGAGCCCGCGCGCTCAGAGCAGAGCGCTGCTCCAGGATCTAGGCGCCACGA 360
Db 301 CGGCCCGAGCCCGCGCGCTCAGAGCAGAGCGCTGCTCCAGGATCTAGGCGCCACGA 360

QY 361 CCATCCCAACCGGACATCACAGCCCGAGCGCATCCCGGTGCGCGCCACGCTCCGCG 420
Db 361 CCATCCCAACCGGACATCACAGCCCGAGCGCATCCCGGTGCGCGCCACGCTCCGCG 420
QY 421 ACCCCCATCGCGGAGCTGCGCGAGAGCCCGAGGAGGTGCCATCGGAGCGGTGTGT 480
Db 421 ACCCCCATCGCGGAGCTGCGCGAGAGCCCGAGGAGGTGCCATCGGAGCGGTGTGT 480
QY 481 GGTGTCCACGATGATGATCTGCGCGGCTCTGCGTGGCCGTGGCGGCGCCCTCGC 540
Db 481 GGTGTCCACGATGATGATCTGCGCGGCTCTGCGTGGCCGTGGCGGCGCCCTCGC 540
QY 541 CTTCTCGAGCGGGGCGCCAGTGCGATACGGCTGGGGCGACCCCATCGCGCTCGGCGA 600
Db 541 CTTCTCGAGCGGGGCGCCAGTGCGATACGGCTGGGGCGACCCCATCGCGCTCGGCGA 600
QY 601 CTTGTACACCTCGCGCGCCCGAGGGCTCTCCAGCTGCTTCCTGCGCATCGGTGCGAGG 660
Db 601 CTTGTACACCTCGCGCGCCCGAGGGCTCTCCAGCTGCTTCCTGCGCATCGGTGCGAGG 660
QY 661 CTTGTGAGCTGCGCGCGGGGCGAGAGCGGCACAGTTTGTGSGATCAAGSGCAGTGGC 720
Db 661 CTTGTGAGCTGCGCGCGGGGCGAGAGCGGCACAGTTTGTGSGATCAAGSGCAGTGGC 720
QY 721 TCTGCGGACGTTGGCCATCAAGGGCGTGACAGCGGTGCGGTACCTCTGCAATGGCGCGCA 780
Db 721 TCTGCGGACGTTGGCCATCAAGGGCGTGACAGCGGTGCGGTACCTCTGCAATGGCGCGCA 780
QY 781 CGGCAAGATGACAGGGCTGCTTCAGTACTCGAGGAGACGTGTCTTCGAGGAGGAGAT 840
Db 781 CGGCAAGATGACAGGGCTGCTTCAGTACTCGAGGAGACGTGTCTTCGAGGAGGAGAT 840
QY 841 CGGCCAGATGCTACAATGTGTACCGATCCGAGAGACCGCTCCCGGTCTCCCTGAG 900
Db 841 CGGCCAGATGCTACAATGTGTACCGATCCGAGAGACCGCTCCCGGTCTCCCTGAG 900
QY 901 CAGTCCCAACAGCGGAGCTGTACAAGAACAGAGGCTTTCTTCCACTCTCTCATTTTCT 960
Db 901 CAGTCCCAACAGCGGAGCTGTACAAGAACAGAGGCTTTCTTCCACTCTCTCATTTTCT 960
QY 961 GCCCATGTGCCATGTGTCGCCAGAGGAGCTGAGGACCTCAGGGGCCACTTGGAACTCGA 1020
Db 961 GCCCATGTGCCATGTGTCGCCAGAGGAGCTGAGGACCTCAGGGGCCACTTGGAACTCGA 1020
QY 1021 CATGTTCTTCTTGCGCCCTGGAGACCGACAGCATGAGCCCATTTGGGCTGTACCGGACT 1080
Db 1021 CATGTTCTTCTTGCGCCCTGGAGACCGACAGCATGAGCCCATTTGGGCTGTACCGGACT 1080
QY 1081 GGAGCCGTGAGGAGTCCCAAGCTTTGAGAAGTAACTGAGACCATGCCGGGCTCTTCAC 1140
Db 1081 GGAGCCGTGAGGAGTCCCAAGCTTTGAGAAGTAACTGAGACCATGCCGGGCTCTTCAC 1140
QY 1141 TGCTGCCAGGGCTGTGTACCTGACGCTGGGGACGCTGCTTACAGAACACGTCCTG 1200
Db 1141 TGCTGCCAGGGCTGTGTACCTGACGCTGGGGACGCTGCTTACAGAACACGTCCTG 1200
QY 1201 AGTCCACGTTCTGTTTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCACGTTCTGTTTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
QY 1261 TCCATTGGCAGTGCCAGTTTCTAGCCATAGACTGTCTGATCATTAACATGTAGACCTG 1320
Db 1261 TCCATTGGCAGTGCCAGTTTCTAGCCATAGACTGTCTGATCATTAACATGTAGACCTG 1320
QY 1321 TAGCTTGGCCAGCTGCTGCTGGGCGCCCATCTCTCCCTGAGGTTGCTGACCAAGCT 1380
Db 1321 TAGCTTGGCCAGCTGCTGCTGGGCGCCCATCTCTCCCTGAGGTTGCTGACCAAGCT 1380
QY 1381 GCTGCACTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACTCAGTTCTCTTTGGA 1440
Db 1381 GCTGCACTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACTCAGTTCTCTTTGGA 1440
QY 1441 AAAATTTCTATGTCAGCTGAAATTTCTCTAAATTTTCTCATCACTTCCCAGGAGCAGC 1500

Db 1441 AAAATTTCTATGTCAGCTGAAATTTCTAAATTTTCTCATCACTTCCCAGGAGCAGC 1500
QY 1501 CAGAAGACAGGAGTAGTTTAAATTCAGAACAGGTGATCCACTCTGTAAACACGAGC 1560
Db 1501 CAGAAGACAGGAGTAGTTTAAATTCAGAACAGGTGATCCACTCTGTAAACACGAGC 1560
QY 1561 TAAATTTCACTCAACCCCATGTGGAAATGTATATCTACTTCCAGGAGCATTTG 1620
Db 1561 TAAATTTCACTCAACCCCATGTGGAAATGTATATCTACTTCCAGGAGCATTTG 1620
QY 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGACTGAGAGGAGGATGGCCACCAAGCTTCA 1680
Db 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGACTGAGAGGAGGATGGCCACCAAGCTTCA 1680
QY 1681 GGAGTAGGGAAGCGCTGGAGCCCACTCCAGCCCTGGGACAACTTCAGAAATCCCCCTGA 1740
Db 1681 GGAGTAGGGAAGCGCTGGAGCCCACTCCAGCCCTGGGACAACTTCAGAAATTCAGCTGA 1740
QY 1741 GGCCAGTTCTGTCTGATGATGCTCTCTGAGAATAACTTCTGTCGGGTGTCACCTGCTT 1800
Db 1741 GGCCAGTTCTGTCTGATGATGCTCTCTGAGAATAACTTCTGTCGGGTGTCACCTGCTT 1800
QY 1801 CCATCTCCAGCCCAAGCCCTCTGCCACCTCAGATGCTCCCATGATTTGGGCT 1860
Db 1801 CCATCTCCAGCCCAAGCCCTCTGCCACCTCAGATGCTCCCATGATTTGGGCT 1860
QY 1861 CCCAGGCCCCCACTTATGCAAGCTGCACTTCTGTTCAAAATCAGAAAGAAAG 1920
Db 1861 CCCAGGCCCCCACTTATGCAAGCTGCACTTCTGTTCAAAATCAGAAAGAAAG 1920
QY 1921 ATTTGAAGACCCCAAGTCTTGTCAATAACTTCTGTGGAAGCAGCGGGGGAAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGTCTTGTCAATAACTTCTGTGGAAGCAGCGGGGGAAGACCTA 1980
QY 1981 GAACCTTTCCCGCAGCACTTGGTTTTTCCAAAGATGATATTATGAGTAATTAATTTGATA 2040
Db 1981 GAACCTTTCCCGCAGCACTTGGTTTTTCCAAAGATGATATTATGAGTAATTAATTTGATA 2040
QY 2041 TGTACATCTCTTATTTTCTTACATTTATGCCCCCAATATATTTATGATGAACT 2100
Db 2041 TGTACATCTCTTATTTTCTTACATTTATGCCCCCAATATATTTATGATGAACT 2100
QY 2101 GAGTTTGTGTTGATATATAAATGAGTTTGTGTTGT 2137
Db 2101 GAGTTTGTGTTGATATAAATGAGTTTGTGTTGT 2137

RESULT 10

AAx52224
ID AAX52224 standard: DNA: 2133 BP.

AC AAX52224;

XX 25-JUN-1999 (first entry)

XX Protein PR0533 cdna clone DNA49435-1219.

DE Secreted protein; transmembrane protein; human; enterocolitis;
XX Zollinger-Ellison syndrome; gastrointestinal ulceration;
KW congenital microvillus atrophy; skin disease; cell growth;
KW abnormal keratinocyte differentiation; psoriasis; epithelial cancer;
KW Parkinson's disease; Alzheimer's disease; ALS; neuropathy;
KW fibromodulin; dermal scarring; Usher Syndrome; Atrophila areata;
KW anti-thrombotic; wound healing; tissue repair; ss.

XX Homo sapiens.

OS WO9914328-A2.

XX 25-MAR-1999.

XX 16-SEP-1998; 98WO-US19330.

XX PR 25-NOV-1997; 97US-0066840.
PR 17-SEP-1997; 97US-0059113.
PR 17-SEP-1997; 97US-0059115.
PR 17-SEP-1997; 97US-0059117.
PR 17-SEP-1997; 97US-0059119.
PR 17-SEP-1997; 97US-0059121.
PR 17-SEP-1997; 97US-0059122.
PR 17-SEP-1997; 97US-0059184.
PR 18-SEP-1997; 97US-0059263.
PR 18-SEP-1997; 97US-0059266.
PR 18-SEP-1997; 97US-0059266.
PR 15-OCT-1997; 97US-0062125.
PR 17-OCT-1997; 97US-0062285.
PR 17-OCT-1997; 97US-0062287.
PR 21-OCT-1997; 97US-0063486.
PR 24-OCT-1997; 97US-0062814.
PR 24-OCT-1997; 97US-0063045.
PR 24-OCT-1997; 97US-0063120.
PR 24-OCT-1997; 97US-0063121.
PR 24-OCT-1997; 97US-0063127.
PR 24-OCT-1997; 97US-0063128.
PR 27-OCT-1997; 97US-0063329.
PR 27-OCT-1997; 97US-0063327.
PR 28-OCT-1997; 97US-0063341.
PR 28-OCT-1997; 97US-0063342.
PR 28-OCT-1997; 97US-0063344.
PR 28-OCT-1997; 97US-0063349.
PR 28-OCT-1997; 97US-0063550.
PR 28-OCT-1997; 97US-0063564.
PR 29-OCT-1997; 97US-0063435.
PR 29-OCT-1997; 97US-0063704.
PR 29-OCT-1997; 97US-0063732.
PR 29-OCT-1997; 97US-0063738.
PR 29-OCT-1997; 97US-0063734.
PR 29-OCT-1997; 97US-0064215.
PR 29-OCT-1997; 97US-0063735.
PR 31-OCT-1997; 97US-0063870.
PR 31-OCT-1997; 97US-0064103.
PR 03-NOV-1997; 97US-0064248.
PR 07-NOV-1997; 97US-0064809.
PR 12-NOV-1997; 97US-0065186.
PR 17-NOV-1997; 97US-0065846.
PR 18-NOV-1997; 97US-0065693.
PR 21-NOV-1997; 97US-0066120.
PR 21-NOV-1997; 97US-0066364.
PR 24-NOV-1997; 97US-0066772.
PR 24-NOV-1997; 97US-0066466.
PR 24-NOV-1997; 97US-0066770.
PR 24-NOV-1997; 97US-0066511.
PR 24-NOV-1997; 97US-0066453.
XX (GETH) GENENTECH INC.
XX PA Chen J, Goddard A, Gurney AL, Pennica D, Wood WL, Yuan J;
XX PI WPI: 1999-229533/19.
XX DR P-PSDB; AAY13353.
XX DR
XX PT New Isolated human genes and polypeptides used in, e.g. treatment of
XX PT gastrointestinal ulceration
XX PS
XX PS Claim 2; Fig 21; 320pp; English.
XX CC AAX52213-74 encode secreted and transmembrane human proteins, and are
XX CC obtained from cDNA libraries, prepared from fetal lung, fetal kidney,
XX CC fetal brain, fetal liver and fetal retina. The encoded polypeptides
XX CC have specific uses based on their homology to known polypeptides,
XX CC e.g. PRO211 and PRO217 can be used for disorders associated with the
XX CC preservation and maintenance of gastrointestinal mucosa and the repair
XX CC of acute and chronic mucosal lesions (e.g. enterocolitis,
XX CC Zollinger-Ellison syndrome, gastrointestinal ulceration and congenital
XX CC microvillus atrophy), skin diseases associated with abnormal

CC keratinocyte differentiation (e.g. psoriasis, epithelial cancers such as
CC lung squamous cell carcinoma of the vulva and gliomas), potent effects on
CC cell growth and development, diseases related to growth or survival of
CC nerve cells including Parkinson's disease, Alzheimer's disease, ALS,
CC neuropathies or cancer. PRO265 can be used as for fibromodulin, e.g. for
CC reducing dermal scarring. PRO264 can be used as a target for anti-tumor
CC drugs. PRO533 may be used in the treatment of Usher Syndrome or Atrophila
CC areata; PRO269 can be used as an anti-thrombotic agent; PRO287
CC polypeptides and portions may have therapeutic applications in wound
CC healing and tissue repair; PRO317 can be used for treating problems of
CC the kidney, uterus, endometrium, blood vessels, or related tissue, e.g.
CC in the heart of genital tract.

XX SQ Sequence 2133 BP; 422 A; 641 C; 598 G; 472 T; 0 other;

Query Match 95.2%; Score 2035.2; DB 20; Length 2133;
Best Local Similarity 98.8%; Pred. No. 0;
Matches 2113; Conservative 0; Mismatches 18; Indels 7; Gaps 6;

QY 2 CTCACAGCCAAAGACCTCGGGCGCGTGGGAGGAGTTCGCCAAACCCGGCC 61
DB 1 CTCACAGCCAAAGACCTCGGGCGCGTGGGAGGAGTTCGCCAAACCCGGCC 60
QY 62 GCTAAGGGAGGCGCTCCTCCCGCAGATCCGAACGGCCTGGGGGGGTACCCCGGCTG 121
DB 61 GCTAAGCGAGGCGCTCCTCCCGCAGATCCGAACGGCCTGGGGGGGTACCCCGGCTG 120
QY 122 GGACAAAGCCCGCGCTGCCTGCCCGCGGGGAGGGGCTGGGGTGGGGCCGGA 181
DB 121 GGACAAAGCCCGCGCTGCCTGCCCGCGGGGAGGGGCTGGGGTGGGGCCGGA 180
QY 182 GCGGGGTGTAGTGGGTGTGTGCGGGGGGCGAGGCTTGCATGCAATCCGATAAGAAAT 241
DB 181 GCGGGGTGTAGTGGGTGTGTGCGGGGGGCGAGGCTTGCATGCAATCCGATAAGAAAT 240
QY 242 GCTCGGGTGTCTTGGGCACCTACCGTGGGGCGGTAAGCGCTACTATATAGGCTGCC 301
DB 241 GCTCGGGTGTCTTGGGCACCTACCGTGGGGCGGTAAGCGCTACTATATAGGCTGCC 300
QY 302 GCGCGGAGCGCGCGCGCTCAGAGCAGAGCGCTGCTCCAGGATCTAGGGCCACGAC 361
DB 301 GCGCGTGAAGCGCGCGCGCTCAGAGCAGAGCGCTGCTCCAGGATCTAGGG--CAGGAC 359
QY 362 CATCCCAACCCGGCACTACAGCCCGCGCAGCGATCCCGTGGCGCCAGCTCCCGCA 421
DB 360 CATCCCAACCCGGCACTACAGCCCGCGCAGCGAT--CGCGTCCCGCGCGCTCC--GC 416
QY 422 CCCCCATCGCGGAGCTGCGCCGAGAGCCCGAGGAGTGCCATGCGGAGCGGTGTGTG 481
DB 417 ACCCATCGCGGAGCTGCGCCGAGAGCCCGAGAGTGCCATGCGGAGCGGTGTGTG 476
QY 482 GTGTCCACGTATGGATCTTGGCGGGCTCTGGCTGGCGGTGGCGGGCGTCCCGTCCGC 541
DB 477 GTGTCCACGTATGGATCTTGGCGGGCTCTGGCTGGCGGTGGCGGGCGTCCCGTCCGC 536
QY 542 TTCTCGAGCGGGGGCGCCACGTGCACTAGCGGTGGGGCGACCCCATCCCGCTGCGGCAC 601
DB 537 TTCTCGAGCGGGGGCGCCACGTGCACTAGCGGTGGGGCGACCCCATCCCGCTGCGGCAC 596
QY 602 CTGTACACCTCCGGCGCCCGCGGCTCTCCAGCTGTCTTCTGCGCATCCCGTGGCGAGCGC 661
DB 597 CTGTACACCTCCGGCGCCCGCGGCTCTCCAGCTGTCTTCTGCGCATCCCGTGGCGAGCGC 656
QY 662 GTGTGGACTGCGCGGGGGCGCCAGAGCGCGACAGTTTGTGTGAGATCAAGGAGTGGCT 721
DB 657 GTGTGGACTGCGCGGGGGCGCCAGAGCGCGACAGTTTGTGTGAGATCAAGGAGTGGCT 716
QY 722 CTCGGGACCGTGGCATCAAGGGCGTCCACAGCGTGGGTACCTCTGCATGGGGCCGAC 781
DB 717 CTCGGGACCGTGGCATCAAGGGCGTCCACAGCGTGGGTACCTCTGCATGGGGCCGAC 776
QY 782 GGCAAGATGAGGGGCTGTCTTACGTACTCTGGAGGAAGACTGTGCTTTCGAGGAGGATC 841
DB 782 GGCAAGATGAGGGGCTGTCTTACGTACTCTGGAGGAAGACTGTGCTTTCGAGGAGGATC 841

Db 777 GCAAGATCCAGGGGCTGCTTCAGTACTCGGAGGAAGACTGTGCTTTTCAGAGGAGGATC 836
QY 842 CGCCAGATGGCTACAAATGTGTACCGATCCGAGAGCACCAGCTCCCGGTCTCCCTTGAGC 901
Db 837 CGCCAGATGGCTACAAATGTGTACCGATCCGAGAGCACCAGCTCCCGGTCTCCCTTGAGC 896
QY 902 AGTGCCAAACAGCGGAGCTGTACAAGAACAGAGGCTTTTCCACTCTCTCATTTCCGTG 961
Db 897 AGTGCCAAACAGCGGAGCTGTACAAGAACAGAGGCTTTTCCACTCTCTCATTTCCGTG 956
QY 962 CCATGCTGCCCATGGTCCACAGGAGCCTGAGGACCTCAGGGCCACTTGAATCTGAC 1021
Db 957 CCATGCTGCCCATGGTCCACAGGAGCCTGAGGACCTCAGGGCCACTTGAATCTGAC 1016
QY 1022 ATGTTCTCTTCGCCCTTGAGACCCACAGCATGGACCCATTTTGGGCTTGTACCCGGAGTG 1081
Db 1017 ATGTTCTCTTCGCCCTTGAGACCCACAGCATGGACCCATTTTGGGCTTGTACCCGGAGTG 1076
QY 1082 GAGGCGGTGAGGATGCCAGCTTTGAGAAGTAACGTGAGACCATGCGCGGGCTCTTCTCACT 1141
Db 1077 GAGGCGGTGAGGATGCCAGCTTTGAGAAGTAACGTGAGACCATGCGCGGGCTCTTCTCACT 1136
QY 1142 GCTGCCAGGGCTGTGGTACCTGCAGCGTGGGGGAGCTGCTTCTACAAAGACAGTCCGCA 1201
Db 1137 GCTGCCAGGGCTGTGGTACCTGCAGCGTGGGGGAGCTGCTTCTACAAAGACAGTCCGCA 1196
QY 1202 GTCCAGTTCTCTTAGCTTTAGGAAGAAACATCTAGAAATTTGTACATATTCAGAGTTT 1261
Db 1197 GTCCAGTTCTCTTAGCTTTAGGAAGAAACATCTAGAAATTTGTACATATTCAGAGTTT 1256
QY 1262 CCATTGGCAGTCCAGTTTCTTAGCCAATAGACTTGTCTGATCATAACTTTGTAAGCC-TG 1320
Db 1257 CCATTGGCAGTCCAGTTTCTTAGCCAATAGACTTGTCTGATCATAACTTTGTAAGCC-TTG 1316
QY 1321 TAGCTGCCAGCTGTGCTGCTGG-CCGCCATTCTGCTCCCTCGAGGTTGCTGGACAAGC 1379
Db 1317 TACTTGGCCCGCTGTGCTGGGCCCCCACTTCTGCTCCCTCGAGGTTGCTGGACAAGC 1376
QY 1380 TGCTGCACGTCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACTCACTTCCCTTTGG 1439
Db 1377 TGCTGCACGTCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACTCACTTCCCTTTGG 1436
QY 1440 AAAAAATCTTATGTCAAGCTGAAATCTCTAATTTTCTCATCATCTTCCCGAGGAGCAG 1499
Db 1437 AAAAAATCTTATGTCAAGCTGAAATCTCTAA-TTTTCTCATCATCTTCCCGAGGAGCAG 1495
QY 1500 CCAGAAGCAGGACGAGTACTTTTAAATTCAGGAACAGGTGATCCACTCTTAAACAGCAG 1559
Db 1496 CCAGAAGCAGGACGAGTACTTTTAAATTCAGGAACAGGTGATCCACTCTGTAAACAGCAG 1555
QY 1560 GTAAATTTTCACTCACCCCATGTGGAAATTTGATCTATATCTACTTCCAGGACCATTT 1619
Db 1556 GTAAATTTTCACTCACCCCATGTGGAAATTTGATCTATATCTACTTCCAGGACCATTT 1615
QY 1620 GCCCTTCCCAAAATCCCTCCAGGCCAGAACTGACTGGAGCAGCATGGCCACACAGGCTTC 1679
Db 1616 GCCCTTCCCAAAATCCCTCCAGGCCAGAACTGACTGGAGCAGCATGGCCACACAGGCTTC 1675
QY 1680 AGGAGTAGGGGAGCCTGGAGCCCCCACTCCAGCCCTGGGACAACTTGAGAAATCCCCCTG 1739
Db 1676 AGAAGTAGGGGAGCCTGGAGCCCCCACTCCAGCCCTGGGACAACTTGAGAAATTCGCCCTG 1735
QY 1740 AGGCAGTCTCTCATGATGCTGCTCGAGAAATTAACGTGCTCCCGGTGTCACTCTGT 1799
Db 1736 AGGCAGTCTCTCATGATGCTGCTCGAGAAATTAACGTGCTCCCGGTGTCACTCTGT 1795
QY 1800 TCCATCTCCAGCCACAGCCCTCTGGCCCACTCACATGCTTCCCATGATTTGGGCC 1859
Db 1796 TCCATCTCCAGCCACAGCCCTCTGGCCCACTCACATGCTTCCCATGATTTGGGCC 1855
QY 1860 TCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTGTTCAAAAATCAGGAAAAAGAAA 1919
Db 1856 TCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTGTTTCAAAAATCAGGAAAAAGAAA 1915

QY 1920 GATTTGAAGACCCCAAGTCTTGTCATAACTTCTGTTGGAAGCAGCGGGGAGACCT 1979
Db 1916 GATTTGAAGACCCCAAGTCTTGTCATAACTTCTGTTGGAAGCAGCGGGGAGACCT 1975
QY 1980 AGAACCCTTTCCCGACGACTTGGTTTTCACAACATGATATTTATGAGTAATTTATTTGAT 2039
Db 1976 AGAACCCTTTCCCGACGACTTGGTTTTCACAACATGATATTTATGAGTAATTTATTTGAT 2035
QY 2040 ATGTACATCTCTATTTTCTTACATTTATATGCCCCCCCAATTTATATGATCTAAG 2099
Db 2036 ATGTACATCTCTATTTTCTTACATTTATATGCCCCCCCAATTTATATGATCTAAG 2095
QY 2100 TGAGGTTTCTTTGTATATATAAATGCAGTTTCTTTGT 2137
Db 2096 TGAGGTTTCTTTGTATATAAATGCAGTTTCTTTGT 2133
RESULT 11
AAAX28430
ID AAX28430 standard; DNA; 2133 BP.
XX
AC AAX28430;
XX
DT 22-JUN-1999 (first entry)
XX
DE FGF homologue PRO533 coding sequence.
XX
KW Antibody; PRO187; PRO533; PRO214; PRO240; PRO211; PRO261; PRO246;
EBAP-2; inhibitor; tumour growth; cancer; EGF-like homologue;
KW FGF-8 homologue; ss.
XX
OS Homo sapiens.
XX
PN WO9914327-A2.
XX
PD 25-MAR-1999.
XX
PF 10-SEP-1998; 98WO-US18824.
XX
PR 25-NOV-1997; 97US-0066840.
PR 17-SEP-1997; 97US-0059114.
PR 17-SEP-1997; 97US-0059117.
PR 18-SEP-1997; 97US-0059263.
PR 15-OCT-1997; 97US-0062125.
PR 17-OCT-1997; 97US-0062285.
PR 17-OCT-1997; 97US-0062287.
PR 24-OCT-1997; 97US-0062816.
PR 29-OCT-1997; 97US-0063704.
XX
PA (GEPH) GENENTECH INC.
XX
PI Botstein D, Goddard A, Gurney A, Hillan K, Lawrence DA;
PI Roy M, Wood WJ;
XX
DR WPI; 1999-229532/19.
XX P-PSDB; AAY05280.
XX
PT Antibodies against specific proteins overexpressed in tumours
XX
PS Example 1; Fig 5; 130pp; English.
XX
CC This sequence encodes the FGF homologue PRO533.
CC The invention relates to antibodies (Ab) that bind to any of the
CC polypeptides (i) designated PRO187; PRO533; PRO214; PRO240; PRO211;
CC PRO230; PRO261; PRO246 or EBAP-2. The Ab, or other agents that inhibit
CC expression and/or activity of (i) are used: (i) to inhibit growth of
CC tumours; and (ii) as diagnostic/prognostic reagents for detection or
CC quantification of (i) in cells or tissues, by standard immunoassays, with
CC overexpression being indicative of cancer. For therapeutic use, the Ab
CC may be conjugated to a toxin, chemotherapeutic agent or radioisotope.
CC Genes expressing (i), many of which are growth factor homologues, are
CC overexpressed in some cases of cancer.

XX	Sequence 2133 BP; 422 A; 641 C; 598 G; 472 T; 0 other;	
SY	Query Match 95.2%; Score 2035.2; DB 20; Length 2133; Best Local Similarity 98.8%; Pred. No. 0; Matches 2113; Conservative 0; Mismatches 18; Indels 7; Gaps 6;	
QY	2 CTCCAGCCAAAGACCTCGGGGCGCTGCGCGTGGGAGAGTTCCTCCCAAAACCCGGCC 61	
DB	1 CTCCAGCCAAAGACCTCGGGGCGCTGCGCGTGGGAGAGTTCCTCCCAAAACCCGGCC 60	
QY	62 GCTAAGCGAGGCTCTCTCCCGCAGATCCGAACGGCCTGGGGGGGTACCCCGGCTG 121	
DB	61 GCTAAGCGAGGCTCTCTCCCGCAGATCCGAACGGCCTGGGGGGGTACCCCGGCTG 120	
QY	122 GGACAAAGCCGCGCGCTGCTGCCCGGCGCGGAGGGGCTGGGGCCGGA 181	
DB	121 GGACAAAGCCGCGCGCTGCTGCCCGGCGCGGAGGGGCTGGGGCCGGA 180	
QY	182 GGGGGGTGTGAGTGGGTGTGTGGGGGGCGGAGGCTTGATCAATCCCGATGAAGAAAT 241	
DB	181 GGGGGGTGTGAGTGGGTGTGTGGGGGGCGGAGGCTTGATCAGTCCCGATGAAGAAAT 240	
QY	242 GCTCGGTGTGTGGCAGCTACCGTGGGGCGCGTAAAGCGCTACTATATAAGCTGCC 301	
DB	241 GCTCGGTGTGTGGCAGCTACCGTGGGGCGCGTAAAGCGCTACTATATAAGCTGCC 300	
QY	302 GGGCGGAGCGCGCGCTCGAGCAGAGGCGCTGCTCCAGGATCTAGGGCCAGCAC 361	
DB	301 GGGCGTGAAGCGCGCGCTCGAGCAGAGGCGCTGCTCCAGGATCTAGGG-CAGCAC 359	
QY	362 CATCCCAACCGGGACTCACAGCCCGCGAGCGATCCCGCTGCGCGCCAGCCTCCGCGA 421	
DB	360 CATCCCAACCGGGACTCACAGCCCGCGAGCGAT-CCGCTGCGCGCGCCAGCTTCC--GC 416	
QY	422 CCCCATCGCGGAGCTGCGCGAGAGCCCGAGGAGTGCCATGCGGAGCGGTCTGTG 481	
DB	417 ACCCATCGCGGAGCTGCGCGAGAGCCCGAGGAGTGCCATGCGGAGCGGTGTGTG 476	
QY	482 GTGCTCCACGTATGGATCTTGGCGGGCTCTGGCTGGCGCTGGCGGGCGCCCTCGCC 541	
DB	477 GTGCTCCACGTATGGATCTTGGCGGGCTCTGGCTGGCGCTGGCGGGCGCCCTCGCC 536	
QY	542 TTCTCGAGCGGGGGCCCGACGTACGTAGCGTGGGGCGACCCCATCCCGCTGCGGCAC 601	
DB	537 TTCTCGAGCGGGGGCCCGACGTACGTAGCGTGGGGCGACCCCATCCCGCTGCGGCAC 596	
QY	602 CTGTACACCTCCGCGCCCGCGGCTCTCCAGCTGCTTCTGCGCATCCGCTGCGAGCGG 661	
DB	597 CTGTACACCTCCGCGCCCGCGGCTCTCCAGCTGCTTCTGCGCATCCGCTGCGAGCGG 656	
QY	662 GTCGTGAGCTGCGCGGGGCGCGAGCGCGACAGTTTGTCTGGAGATCAAGGCGAGTCTG 721	
DB	657 GTCGTGAGCTGCGCGGGGCGCGAGCGCGACAGTTTGTCTGGAGATCAAGGCGAGTCTG 716	
QY	722 CTGGGACCTGGGCATCAAGGGGCTGCACAGCGTGGCGTACCTCTGTCATGGGGCGGAC 781	
DB	717 CTGGGACCTGGGCATCAAGGGGCTGCACAGCGTGGCGTACCTCTGTCATGGGGCGGAC 776	
QY	782 GGCAGAGTCAGGGGCTGCTTCACTACTCGGAGGAGACTGTGCTTTCGAGGAGGAGATC 841	
DB	777 GGCAGAGTCAGGGGCTGCTTCACTACTCGGAGGAGACTGTGCTTTCGAGGAGGAGATC 836	
QY	842 CGGCCAGATGGCTACAAATGTATACCGATCCGAGAAGCGCGCTCCCGGTCTCCCTGAGC 901	
DB	837 CGGCCAGATGGCTACAAATGTATACCGATCCGAGAAGCGCGCTCCCGGTCTCCCTGAGC 896	
QY	902 AGTGCCAAACAGGGGAGCTGTACAAGACAGAGGCTTCTTCCACTCTCTCATTTCCCTG 961	
DB	897 AGTGCCAAACAGGGGAGCTGTACAAGACAGAGGCTTCTTCCACTCTCTCATTTCCCTG 956	
QY	962 CCCATGCTGCCATGTGCCAGAGGAGCTGAGGACCTCAGGGGCGCACTTGGAACTCTGAC 1021	

DB	957 CCATGCTGCCATGTGTCCTCAGAGGAGCCCTGAGGACCTCAGGGGCCACTTTGGAACTGTGAC 1016	
QY	1022 ATGTTCTCTTCGGCCCTGGAGACCGACAGCATGGACCACTTTGGGCTTGTCAACGGACTG 1081	
DB	1017 ATGTTCTCTTCGGCCCTGGAGACCGACAGCATGGACCACTTTGGGCTTGTCAACGGACTG 1076	
QY	1082 GAGGCGGTGAGGAGTCCAGCTTTTGAAGTAACCTGAGACCATGCCGGGCTCTTTCACCT 1141	
DB	1077 GAGGCGGTGAGGAGTCCAGCTTTTGAAGTAACCTGAGACCATGCCGGGCTCTTTCACCT 1136	
QY	1142 GCTTGCAGGGGCTGTGTACTCTCAGCTGGGGAGCTGCTTCTACAGAACAGTCTCTGA 1201	
DB	1137 GCTTGCAGGGGCTGTGTACTCTCAGCTGGGGAGCTGCTTCTACAGAACAGTCTCTGA 1196	
QY	1202 GTCACGTTCTGTTTGTAGTTTAGGAAGAAACATCTAGAAGTTGTACATATTACAGATTTT 1261	
DB	1197 GTCACGTTCTGTTTGTAGTTTAGGAAGAAACATCTAGAAGTTGTACATATTACAGATTTT 1256	
QY	1262 CCATTTGSCAGTGCAGTTTCTAGCCATAGACTTGTCTGATCATATAACATTGTAGGCC-TG 1320	
DB	1257 CCATTTGSCAGTGCAGTTTCTAGCCATAGACTTGTCTGATCATATAACATTGTAGGCCCTTG 1316	
QY	1321 TAGCTTGCAGCTGTGCTGGG-CCGCCATTTCTGCTCCCTCGAGGTTGCTGCACAGC 1379	
DB	1317 TACTTGGCCAGCTGTGTGCTGGGCCCCCATTTCTGCTCCCTCGAGGTTGCTGCACAGC 1376	
QY	1380 TGTGCTACTGTCTCAGTTCTGTTGAATACCTCCATCGATGGGAACTCACTTCTCTTTGG 1439	
DB	1377 TGTGCTACTGTCTCAGTTCTGTTGAATACCTCCATCGATGGGAACTCACTTCTCTTTGG 1436	
QY	1440 AAAAAATTTATGTCAAGCTGAAATTTCTCTAAATTTTCTCATCACTTCCCGAGGACGAG 1499	
DB	1437 AAAAAATTTATGTCAAGCTGAAATTTCTCTAA-TTTTTCTCATCACTTCCCGAGGACGAG 1495	
QY	1500 CCAGAGACAGGAGTAGTTTAAATTTTCAGAAACAGGTGATCCACTCTGTAAACACAGCAG 1559	
DB	1496 CCAGAGACAGGAGTAGTTTAAATTTTCAGAAACAGGTGATCCACTCTGTAAACACAGCAG 1555	
QY	1560 GTAAATTTCACTCAACCCCATGTGGGAATTTGATCTATATCTACTTCTTCCAGGACCACTT 1619	
DB	1556 GTAAATTTCACTCAACCCCATGTGGGAATTTGATCTATATCTACTTCTTCCAGGACCACTT 1615	
QY	1620 GCCCTTCCCAAAATCCCTCCAGGCCAGNACTGACTGGAGAGGAGATGCCCCACAGGCTTC 1679	
DB	1616 GCCCTTCCCAAAATCCCTCCAGGCCAGNACTGACTGGAGAGGAGATGCCCCACAGGCTTC 1675	
QY	1680 AGGAGTAGGGGAAGCCTGGAGCCCACTCCAGGCCCTGGGACAACTTGAGAAATTTCCCCCTG 1739	
DB	1676 AGAAGTAGGGGAAGCCTGGAGCCCACTCCAGGCCCTGGGACAACTTGAGAAATTTCCCCCTG 1735	
QY	1740 AGGCCAGTTCTGTCAATGGATGCTGCTGAGATAAATTTGCTGTCCCGGTGTCACTGTCT 1799	
DB	1736 AGGCCAGTTCTGTCAATGGATGCTGCTGAGATAAATTTGCTGTCCCGGTGTCACTGTCT 1795	
QY	1800 TCCATCTCCAGGCCACCGCCTCTGCCACCTCAGATGCCCTCCCATGGATTGGGGCC 1859	
DB	1796 TCCATCTCCAGGCCACCGCCTCTGCCACCTCAGATGCCCTCCCATGGATTGGGGCC 1855	
QY	1860 TCCAGGCCCCCGCCACTTATGTCAACCTGCACTTCTTGTTCAAAAATTCAGAAAAAGAAAA 1919	
DB	1856 TCCAGGCCCCCGCCACTTATGTCAACCTGCACTTCTTGTTCAAAAATTCAGAAAAAGAAAA 1915	
QY	1920 GATTTGAAGACCCCAAGTCTTTGCAATAAATTTGCTGTGTGGGAAGCAGCGGGGGAAGACCT 1979	
DB	1916 GATTTGAAGACCCCAAGTCTTTGCAATAAATTTGCTGTGTGGGAAGCAGCGGGGGAAGACCT 1975	
QY	1980 AGAACCTTTCCCGCAGCCTTGGTTTTCACCATGATATTATGAGTAATTTATTTTGTAT 2039	
DB	1976 AGAACCTTTCCCGCAGCCTTGGTTTTCACCATGATATTATGAGTAATTTATTTTGTAT 2035	
QY	2040 ATGTACATCTCTTATTTTCTTACATTTATGCCCCCAATTTATTTATGATGTAAG 2099	
DB	2036 ATGTACATCTCTTATTTTCTTACATTTATGCCCCCAATTTATTTATGATGTAAG 2095	

QY 2100 TGAGGTTGTTTGTATATAAAATGGAGTTTCTTTGT 2137
|||||
Db 2096 TCAGGTTTGTGTATATAAAATGGAGTTTCTTTGT 2133

RESULT 12

AAA96669
ID AAA96669 standard; DNA; 1542 BP.

XX
AC AAA96669;

XX
DT 08-FEB-2001 (first entry)

XX
DE DNA encoding a human fibroblast growth factor (FGF-X).

XX Human: fibroblast growth factor; FGF-X; trophic support; asthma;
KW neuronal cell degeneration; Parkinson's disease; substantia nigra;
KW pulmonary infarction; emphysema; chronic obstructive pulmonary disease;
KW infection; autoimmune disease; pulmonary arterial hypertension;
KW pulmonary venous hypertension; pulmonary fibrosis; pulmonary disease;
KW cystic fibrosis; pulmonary injury; bronchial injury; tracheal injury;
KW amyotrophic lateral sclerosis; Alzheimer's disease; hypothyroidism;
KW Huntington's disease; nervous system tumour; multiple sclerosis;
KW thyroid disease; cancer; inflammatory disease; macular degeneration;
KW retinitis pigmentosa; cardiomyopathy; skeletal myopathy; bone disease;
KW arthritis; wound healing; angiogenesis; ss.

XX
OS Homo sapiens.

XX
FH Key Location/Qualifiers
FT CDS 18..461

FT /*tag= a
FT /product= "fibroblast growth factor X"

PN WO200056890-A1.

XX
PD 28-SEP-2000.

XX
PF 16-MAR-2000; 2000WO-US07289.

PR 19-MAR-1999; 99US-0125158.

PR 22-JUN-1999; 99US-0140521.

XX
PA (CHIR) CHIRON CORP.

XX
PI Kavanaugh M, Shyamala V, Reinhard C;

XX
DR WPI: 2000-628264/60.

XX
P-PSDB; AAB19034.

PT Novel human fibroblast growth factor polypeptide and polynucleotide
PT useful for treating chronic obstructive pulmonary disease, cystic
PT fibrosis, asthma and neurological disorders such as Parkinson's disease

PS Claim 2; Page 52-53; 57pp; English.

XX The present sequence encodes a human fibroblast growth factor (FGF-X)
CC polypeptide. The FGF-X polypeptide is useful for providing trophic
CC support for cells in a patient suffering from a condition characterized
CC by neuronal cell degeneration such as Parkinson's disease or conditions
CC which affects the substantia nigra. FGF-X is also useful for providing
CC trophic support for cells in a patient suffering from a condition
CC selected from pulmonary infarction, emphysema, chronic obstructive
CC pulmonary disease, asthma, infection, autoimmune disease, pulmonary
CC arterial hypertension, pulmonary venous hypertension, pulmonary fibrosis,
CC pulmonary disease of immaturity, cystic fibrosis, pulmonary injury,
CC bronchial injury or tracheal injury. FGF-X also plays a role in the
CC development and recovery from a variety of central nervous system
CC diseases, peripheral neuropathy, amyotrophic lateral sclerosis,
CC Alzheimer's disease, Huntington's disease, nervous system tumours and
CC multiple sclerosis. Other such disease includes thyroid disease

CC including thyroid tumours, cancer, inflammatory disease, hypothyroidism
CC and hyperthyroidism/Grave's disease, parathyroid diseases, diseases of
CC the eye including macular degeneration, retinitis pigmentosa,
CC cardiomyopathies, skeletal myopathies, bone disease and arthritis,
CC wound healing and for angiogenesis or to preserve function, survival of
CC cells.

XX
SQ Sequence 1542 BP; 401 A; 399 C; 346 G; 396 T; 0 other;

Query Match

Best Local Similarity 62.2%; Score 1328.4; DB 21; Length 1542;

Matches 1352; Conservative 0; Mismatches 21; Indels 1; Gaps 1;

QY 764 CTCTGCATGGGCGCGACGGCAAGATGTCAGGGCTCTTTCAGTACTTCGAGGAGACTGT 823
|||
Db 111 CTCTGATGCTCAGAGCTGCCTGTTTCTCTCCAGCTTCAGTACTTCGAGGAGACTGT 170

QY 824 GCTTTTCGAGGAGGAGATCGCCCGCAGATGCTACATGTGTACCGATCCGAGAGTACCGG 883
|||||
Db 171 GCTTTTCGAGGAGGAGATCGCCCGCAGATGCTACATGTGTACCGATCCGAGAGTACCGG 230

QY 884 CTCCTCGCTCTCCCTCAGCAGTCCCAACAGCGCGAGCTCTACAACAGACAGAGCTTCTT 943
|||||
Db 231 CTCCTCGCTCTCCCTCAGCAGTCCCAACAGCGCGAGCTCTACAACAGACAGAGCTTCTT 290

QY 944 CCACCTCTCTCATTTCTCTGCCCATGCTGGCCATGGTCCAGAGAGGCTTGAGGACCTCAGG 1003
|||||
Db 291 CCACCTCTCTCATTTCTCTGCCCATGCTGGCCATGGTCCAGAGAGGCTTGAGGACCTCAGG 350

QY 1004 GGCCACTTGGGAATCTGACATGTTCTCTTCGCCCTCGGAGAGCGACAGCATGACCTCATTT 1053
|||||
Db 351 GGCCACTTGGGAATCTGACATGTTCTCTTCGCCCTCGGAGAGCGACAGCATGACCTCATTT 410

QY 1064 GGGCTTGTACCGGAGCTGGAGGCGGTGAGGAGTCCAGCTTTTTCAGAGTAAGTACAGACCA 1123
|||||
Db 411 GGGCTTGTACCGGAGCTGGAGGCGGTGAGGAGTCCAGCTTTTTCAGAGTAAGTACAGACCA 470

QY 1124 TGCCCGGGGCTCTTCACCTGCTGCCAGGGGCTGTGGTACCTGTCAGGCTGGGGAGCGTCTT 1183
|||||
Db 471 TGCCCGGGGCTCTTCACCTGCTGCCAGGGGCTGTGGTACCTGTCAGGCTGGGGAGCGTCTT 530

QY 1184 CTACAAGAACAGCTCTGAGTCCACGTTCTGTGTTTACGTTTTCAGGAGAACATCTAGAACTT 1243
|||||
Db 531 CTACAAGAACAGCTCTGAGTCCACGTTCTGTGTTTACGTTTTCAGGAGAACATCTAGAACTT 590

QY 1244 GTACATATTTACAGATTTTCCATTGGCAGTCCAGTCTTCTAGCCCAATAGACTTCTCTGATC 1303
|||||
Db 591 GTACATATTTACAGATTTTCCATTGGCAGTCCAGTCTTCTAGCCCAATAGACTTCTCTGATC 650

QY 1304 ATACATTTGTAAGCCTGTAGCTTGCCAGCTGCTGCTGGGCGCCCATTTCTGCTGCTCG 1363
|||||
Db 651 ATACATTTGTAAGCCTGTAGCTTGCCAGCTGCTGCTGGGCGCCCATTTCTGCTGCTCG 710

QY 1364 AGTTGCTGGACAAGCTGCTGCACTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1423
|||||
Db 711 AGTTGCTGGACAAGCTGCTGCACTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 770

QY 1424 AACTCAGCTTCTTTCGAAAAATTTCTTATCTCAAGCTGAAATTTCTCTAAATTTTCTCATC 1483
|||||
Db 771 AACTCAGCTTCTTTCGAAAAATTTCTTATCTCAAGCTGAAATTTCTCTAAATTTTCTCATC 830

QY 1484 ACTTCCCGGAGGAGCGAGGAGAGAGAGGAGGAGTGTGTTTAAATTTTCAGGAGAACAGTGTATCA 1543
|||||
Db 831 ACTTCCCGGAGGAGCGAGGAGAGAGAGGAGGAGTGTGTTTAAATTTTCAGGAGAACAGTGTATCA 890

QY 1544 CTCTCTAAACAGCAGGTAATTTTTCACCTCAACCCCATGTCGGAATTTGATCTATATCTCTA 1603
|||||
Db 891 CTCTCTAAACAGCAGGTAATTTTTCACCTCAACCCCATGTCGGAATTTGATCTATATCTCTA 950

QY 1604 CTCTCAGGAGCATTTGCGCTTTCCCAAAATTCCTCCAGGCGCAGAACTGACTGAGGAGGAGCA 1663
|||||
Db 951 CTCTCAGGAGCATTTGCGCTTTCCCAAAATTCCTCCAGGCGCAGAACTGACTGAGGAGGAGCA 1010

QY 1664 TGGCCCCACAGGCTTCAGGAGTAGGGAAGCCTGGAGAGCCGACCTCCAGCCCTGGGACAAC 1723
Db 1011 TGGCCCCACAGGCTTCAGGAGTAGGGAAGCCTGGAGAGCCGACCTCCAGCCCTGGGACAAC 1070
QY 1724 TTGAGAAATCCCCCTGAGGCCAGTCTCTCATGGATGCTGCTCGAATAAATCTGCTGT 1783
Db 1071 TTGAGAAATCCCCCTGAGGCCAGTCTCTCATGGATGCTGCTCGAATAAATCTGCTGT 1130
QY 1784 CCCGGTGTACCTCTTCCATCTCCAGAGCCACAGCCCTCTGCCACCTCAGATGCTC 1843
Db 1131 CCCGGTGTACCTCTTCCATCTCCAGAGCCACAGCCCTCTGCCACCTCAGATGCTC 1190
QY 1844 CCCATGATGGGGCCCTCCAGAGCCGAGCCCTTATGTCAACCTGCACTTCTTGTTCAAA 1903
Db 1191 CCCATGATGGGGCCCTCCAGAGCCGAGCCCTTATGTCAACCTGCACTTCTTGTTCAAA 1250
QY 1904 AATCAGAAAGAAAGATTTGAAGACCCCAAGCTTGTCAATAAATCTGCTGTGGAAG 1963
Db 1251 AATCAGAAAGAAAGATTTGAAGACCCCAAGCTTGTCAATAAATCTGCTGTGGAAG 1310
QY 1964 CAGCGGGGAGACCTAGAACCCCTTCCCGAGCACTTGGTTTCCAAACATGATATTTATG 2023
Db 1311 CAGCGGGGAGACCTAGAACCCCTTCCCGAGCAC-TGGTTTCCAAACATGATATTTATG 1369
QY 2024 AGTAATTTATTTATATGATATCTCTTATTTCTTACATTTATTTATGCCCCCAATTA 2083
Db 1370 AGTAATTTATTTATATGATATCTCTTATTTCTTACATTTATTTATGCCCCCAATTA 1429
QY 2084 TATTTATGATGAAGTGGGTTTGTGTATATTAATAATGGAGTTTGTGTGT 2137
Db 1430 TATTTATGATGAAGTGGGTTTGTGTATATTAATAATGGAGTTTGTGTGT 1483

RESULT 13
AAH34709
ID AAH34709 standard; cDNA; 914 BP.
XX
AC AAH34709;
XX
DT 03-SEP-2001 (first entry)
XX
DE Human colon cancer antigen encoding cDNA SEQ ID NO:1791.
XX
KW Human; colon cancer; colon cancer antigen; diagnosis; detection;
KW colorectal carcinoma; ss.
XX
OS Homo sapiens.
XX
PN WO200122920-A2.
XX
PD 05-APR-2001.
XX
PF 28-SEP-2000; 2000WO-US26524.
XX
PR 29-SEP-1999; 99US-0157137.
PR 03-NOV-1999; 99US-0163280.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Barash SC, Birse CE, Rosen CA;
XX
DR WPI; 2001-235357/24.
DR P-PSDB; AAG75304.
XX
PT Nucleic acids encoding 4277 human colon cancer-associated polypeptides,
XX useful for preventing, diagnosing and/or treating colorectal cancers -
PS Claim 1; Page 3348-3349; 9803pp; English.
XX
CC AAH32943 to AAH37195 and AAG77788 represent human colon
CC cancer-associated nucleic acid molecules (N) and proteins (P), where
CC the proteins are collectively known as colon cancer antigens. The colon
CC cancer antigens have cytostatic activity and can be used in gene

CC therapy and vaccine production. N and P may be used in the prevention,
CC diagnosis and treatment of diseases associated with inappropriate P
CC expression. For example, N and P may be used to treat disorders
CC associated with decreased expression by rectifying mutations or deletions
CC in a patient's genome that affect the activity of P by expressing
CC inactive proteins or to supplement the patient's own production of P.
CC Additionally, N may be used to produce the colon cancer-associated Ps,
CC by inserting the nucleic acids into a host cell and culturing the cell
CC to express the proteins. N and P can be used in the prevention, diagnosis
CC and treatment of colorectal carcinomas and cancers. AAH37196 to AAH37204
CC and AAH77789 represent sequences used in the exemplification of the
CC present invention.
CC N.B. Pages 666 to 682 and page 7053 of the sequence listing were
CC missing at time of publication, meaning no sequences are present for
CC SEQ ID NO:1027 to 1052, 7921 and 7922.
XX
SQ Sequence 914 BP; 231 A; 238 C; 184 G; 261 T; 0 other;

Query Match 41.8%; Score 888.4; DB 22; Length 914;
Best Local Similarity 99.8%; Pred. No. 3.5e-190;
Matches 900; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1237 AGAAGTTGTACATATTCAGAGTTTCCATTGGCAGTGCCAGTTTCTAGCCAAATAGACTTG 1296
Db 1 AGAAGTTGTACATATTCAGAGTTTCCATTGGCAGTGCCAGTTTCTAGCCAAATAGACTTG 60
QY 1297 TCTGATCATACATTTGTAAGCCTGTAGCTTGGCCAGCTGCTGGCCCCCCTTCTGCG 1356
Db 61 TCTGATCATACATTTGTAAGCCTGTAGCTTGGCCAGCTGCTGGCCCCCCTTCTGCG 120
QY 1357 TCCCTCAGGTTGCT-GGACAAGCTGCTGCACGTGCTCAGTCTGCTTGAATACCTCCAT 1415
Db 121 TCCCTCAGGTTGCTGGGACAAGCTGCTGCACGTGCTCAGTCTGCTTGAATACCTCCAT 180
QY 1416 CGATGGGGAACCTCACTTCTTGGAAAAATTTCTTATGCTCAAGCTGAAATTTCTCTAAATTT 1475
Db 181 CGATGGGGAACCTCACTTCTTGGAAAAATTTCTTATGCTCAAGCTGAAATTTCTCTAAATTT 240
QY 1476 TTCTCATCACTTCCCGAGGAGCCAGAGACAGAGCAGGAGTAGTTTAAATTTTCAGGAACAG 1535
Db 241 TTCTCATCACTTCCCGAGGAGCCAGAGACAGAGCAGGAGTAGTTTAAATTTTCAGGAACAG 300
QY 1536 GTGATCCACTCTGTAAACAGCAGGTAATTTCACTCAAGCCCATGTTGGGAATGATCTA 1595
Db 301 GTGATCCACTCTGTAAACAGCAGGTAATTTCACTCAAGCCCATGTTGGGAATGATCTA 360
QY 1596 TATCTCTACTTCCAGGAGCAGTCTTGGCCCTTCCCAAAATCCCTCCAGGCGCAGAACTGACTGG 1655
Db 361 TATCTCTACTTCCAGGAGCAGTCTTGGCCCTTCCCAAAATCCCTCCAGGCGCAGAACTGACTGG 420
QY 1656 AGCAGGATGGCCACAGGCTTCAGAGTAGGGGAAGCCTGGAGCCGCTCCAGCCCT 1715
Db 421 AGCAGGATGGCCACAGGCTTCAGAGTAGGGGAAGCCTGGAGCCGCTCCAGCCCT 480
QY 1716 GGGACAACCTTGAGAAATTCCTCCCTCAGGCCAGTCTCTGTCATGGATGCTGCTCGAGAATAA 1775
Db 481 GGGACAACCTTGAGAAATTCCTCCCTCAGGCCAGTCTCTGTCATGGATGCTGCTCGAGAATAA 540
QY 1776 CTTGCTGTCCCGGTGTCACTGCTTCCATCTCCAGGCCACAGCCCTCTGCCACCTCA 1835
Db 541 CTTGCTGTCCCGGTGTCACTGCTTCCATCTCCAGGCCACAGCCCTCTGCCACCTCA 600
QY 1836 CATGCCCTCCCATGGATTTGGGGCTCCAGGCCGCTCCAGGCCGCTCCAGGCCGCTCCAGGCCCT 1895
Db 601 CATGCCCTCCCATGGATTTGGGGCTCCAGGCCGCTCCAGGCCGCTCCAGGCCGCTCCAGGCCCT 660
QY 1896 TGTTCAAAATCAGGAAAGAAAGATTTGAAGACCCCAAGCTTGTGCAATAAATCTGCTG 1955
Db 661 TGTTCAAAATCAGGAAAGAAAGATTTGAAGACCCCAAGCTTGTGCAATAAATCTGCTG 720
QY 1956 TGTGGAAGCAGCGGGGAGAGACCTTAGAACCCCTTTCCCGAGCAGTGGTTTTCACCATGA 2015
Db 721 TGTGGAAGCAGCGGGGAGAGACCTTAGAACCCCTTTCCCGAGCAGTGGTTTTCACCATGA 780

QY 2016 TATTTATGAGTAATTTATTTTATGATGTACATCTCTTATTTCTTACATTTATTTATGCC 2075
|||||
Db 781 TATTTATGAGTAATTTATTTTATGATGTACATCTCTTATTTCTTACATTTATTTATGCC 840
|||||
QY 2076 CCAATATATATTTATGATGTAGTGAGGTTTGTATATTAATAATGAGTTTGT 2135
|||||
Db 841 CCAATATATATTTATGATGTAGTGAGGTTTGTATATTAATAATGAGTTTGT 900
|||||
QY 2136 GT 2137
||
Db 901 GT 902
|||||
RESULT 14
ABL91719
ID ABL91719 standard; DNA: 651 BP.
XX
AC ABL91719;
XX
DT 28-MAY-2002 (first entry)
XX
DE Human polynucleotide SEQ ID NO 62.
XX
KW Human; HIV; HCV; gene expression; oligoribonucleotide; tumour; pathogen;
KW Plasmodium; virus; viroid; cytokine; prion; antisense oligonucleotide;
KW cytostatic; virucide; protozoacide; antibacterial; ds.
XX
OS Homo sapiens.
XX
PN DE10100586-C1.
XX
PD 11-APR-2002.
XX
PF 09-JAN-2001; 2001DE-1000586.
XX
PR 09-JAN-2001; 2001DE-1000586.
XX
PA (RIBO-) RIBOPHARMA AG.
XX
PI Kreutzer R, Limmer S, Rost S, Hadwiger P;
XX
XX WPI: 2002-270454/32.
XX
PT Inhibiting gene expression in cells, useful for e.g. treating tumors,
PT by introducing double-stranded complementary oligoRNA having unpaired
PT terminal bases
XX
PS Claim 13; Page 46-47; 104pp; German.
XX
CC The invention relates to a method for inhibiting expression of a target
CC gene (ABL91658-ABL91797) in a cell by introducing at least one
CC oligoribonucleotide that has a double-stranded structure consisting of at
CC most 49 sequential nucleotide pairs, with at least part of one strand
CC complementary with the target gene and has at least one end a
CC single-stranded segment of 1-4 nt. The method provides
CC oligoribonucleotides for antisense inhibition of gene expression useful
CC e.g. for treating tumors but the oligoribonucleotides may also be
CC directed against genes present in pathogens (e.g. Plasmodium or
CC viruses/viroids, pathogenic on humans, animals or plants) or against
CC cytokine, Id, developmental or prion genes. The method provides more
CC effective inhibition of gene expression than use of known
CC oligonucleotides, probably because the unpaired overhang increases
CC stability and thus intracellular concentration.
XX
SQ Sequence 651 BP; 109 A; 212 C; 209 G; 121 T; 0 other;
Query Match 30.5%; Score 651; DB 24; Length 651;
Best Local Similarity 100.0%; Pred. No. 8.4e-137;
Matches 651; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 464 ATCGGAGCGGTGTGTGTCACGTATGATCTCGCGCGCTCTGGCTGCCCGTG 523
|||||

Db 1 ATCGGAGCGGTGTGTGTCACGTATGATCTCGCGCGCTCTGGCTGCCCGTG 60
QY 524 GCCGGCGCCCTCGCCCTTCTCGGACGCGGGGCCCCACGTCGACTACGCTGAGCGGAC 583
|||||
Db 61 GCCGGCGCCCTCGCCCTTCTCGGACGCGGGGCCCCACGTCGACTACGCTGAGCGGAC 120
|||||
QY 584 CCATCCGCTCGGCGCACCTGTACACTCGGCGCCCGCCAGGGGCTCTCCAGCTGCTTCCTG 643
|||||
Db 121 CCATCCGCTCGGCGCACCTGTACACTCGGCGCCCGCCAGGGGCTCTCCAGCTGCTTCCTG 180
|||||
QY 644 CCATCCGCTCGGCGCACCTGTGACTCGGCGGGGGCGAGAGCGGCGACAGTTTCCTG 703
|||||
Db 181 CGCATCCGTCGCGGCGGCTGCTGGACTCGCGCGGGGCGAGAGCGGCGACAGTTTCCTG 240
|||||
QY 704 GAGATCAAGSCAGTCGCTCTCGGACCGTGCATCAAGGGGTGCACAGCGTGCAGTAC 763
|||||
Db 241 GAGATCAAGSCAGTCGCTCTCGGACCGTGCATCAAGGGGTGCACAGCGTGCAGTAC 300
|||||
QY 764 CTCTGCATGGCGCCGACGCGCAAGATGCGAGGGCTCTTTCAGTACTCGGAGGAAGACTGT 823
|||||
Db 301 CTCTGCATGGCGCCGACGCGCAAGATGCGAGGGCTCTTTCAGTACTCGGAGGAAGACTGT 360
|||||
QY 824 GCTTTGAGGAGGAGATCCGCCAGATGCTACAAATGTGTACCGATCCGAGAGACCCG 883
|||||
Db 361 GCTTTGAGGAGGAGATCCGCCAGATGCTACAAATGTGTACCGATCCGAGAGACCCG 420
|||||
QY 884 CTCGCGGTCTCCCTGAGCAGTCCCAACAGCGGCGAGCTGTACAAGAACACAGGCTTCTT 943
|||||
Db 421 CTCGCGGTCTCCCTGAGCAGTCCCAACAGCGGCGAGCTGTACAAGAACACAGGCTTCTT 480
|||||
QY 944 CCACCTCTCTATTTCTGCGCATGCTGCGCATGCTGCTCCAGAGAGGCTGAGGATCTCAGG 1003
|||||
Db 481 CCACCTCTCTATTTCTGCGCATGCTGCGCATGCTGCTCCAGAGAGGCTGAGGATCTCAGG 540
|||||
QY 1004 GCCCAGTGGAAATCGACATGTTCTCTTCCGCGCTGGAGACGACAGCATGAGACCATTT 1063
|||||
Db 541 GCCCAGTGGAAATCGACATGTTCTCTTCCGCGCTGGAGACGACAGCATGAGACCATTT 600
|||||
QY 1064 GGGCTGTTCACCGGACTGGAGGCGGTGAGGAGTCCCGAGCTTTGAGAAAGTAA 1114
|||||
Db 601 GGGCTGTTCACCGGACTGGAGGCGGTGAGGAGTCCCGAGCTTTGAGAAAGTAA 651
|||||
RESULT 15
AAV72462
ID AAV72462 standard; cDNA: 371 BP.
XX
AC AAV72462;
XX
DT 05-AUG-1999 (first entry)
XX
DE Human PRO533 clone DNA47412 DNA.
XX
KW PRO533; FGF-19; fibroblast growth factor; human; diagnosis; treatment;
KW tumour; neoplastic cell growth; cell proliferation; tumorigenesis; cancer;
KW autocrine signalling; ds.
XX
OS Homo sapiens.
XX
PN WO9927100-Al.
XX
PD 03-JUN-1999.
XX
PR 25-NOV-1998; 98WO-US25190.
XX
PR 21-SEP-1998; 98US-0158432.
XX
PR 25-NOV-1997; 97US-0066840.
XX
PA (GETH) GENENTECH INC.
XX
PI Botstein D, Goddard A, Gurney AL, Hillan KJ, Lawrence DA;
XX Roy MA;
XX

DR WPI; 1999-347718/29.
XX Nucleic acid encoding fibroblast growth factor - 19, useful for the
PT diagnosis, prevention and treatment of cancers
PT
XX
XX
PS Disclosure; Fig 5; 88pp; English.
XX
CC This invention describes a novel human fibroblast growth factor, PRO533,
CC also known as fibroblast growth factor-19 (FGF-19). The nucleic acids,
CC methods and PRO533 polypeptides disclosed may be used in the diagnosis,
CC and treatment of tumours and/or conditions characterized by modulation of
CC PRO533 expression, or in the preparation of compositions for such
CC therapies. These compositions and methods may be used in the diagnosis
CC and treatment of neoplastic cell growth and proliferation in mammals
CC (especially humans). The invention is based on the identification of
CC genes that are amplified in the genome of tumour cells. Such gene
CC amplification is expected to be associated with the over expression of
CC the gene product and contribute to tumourgenesis and/or autocrine
CC signalling. Accordingly, the proteins encoded by the amplified genes are
CC believed to be useful targets for the diagnosis and/or treatment of
CC certain cancers and may act as predictors of the prognosis for tumour
CC treatments.
XX
SQ Sequence 371 BP; 76 A; 112 C; 106 G; 77 T; 0 other;
Query Match 16.3%; Score 349; DB 20; Length 371;
Best Local Similarity 99.5%; Pred. No. 6.5e-69;
Matches 371; Conservative 0; Mismatches 0; Indels 2; Gaps 2;
QY 827 TTCGAGGAGGATCCGCCAGATGGCTACAATGTGTACCGATCCGAGAGCACCCTC 886
DB 1 TTCGAGGAGGATCCGCCAGATGGCTACAATGTGTACCGATCCGAGAGCACCCTC 60
QY 887 CCGGTCTCCCTGAGCAGTGCACAAACAGCGCAGCTGTACAAGAACAGAGCTTCTTCCA 946
DB 61 CCGGTCTCCCTGAGCAGTGCACAAACAGCGCAG-TGTACAAGAACAGAGCTTCTTCCA 119
QY 947 CTCTCTCATTTCTGCCCCATGCTGCCCATGCTCCAGAGGAGCCTGAGGAGGC 1006
DB 120 CTCTCTCATTTCTGCCCCATGCTGCCCATGCTCCAGAGGAGCCTGAGGAGGC 179
QY 1007 CACTTGAATCTGACATGTTCTTCTGCCCTGGAGACCGACACATGGACCCATTGGG 1066
DB 180 CACTTGAATCTGACATGTTCTTCTGCCCTGGAGACCGACACATGGACCCATTGGG 239
QY 1067 CTTGTCCACGAGCTGGAGCGCGTGAGAGTCCCGAGCTTTGAGAAGTAACCTGAGACCATGC 1126
DB 240 CTTGTCCACGAGCTGGAGCGCGTGAGAGTCCCGAGCTTTGAGAAGTAACCTGAGACCATGC 299
QY 1127 CCGGGCCCTTCTACTGCTGCCAGGGGCTGTGGTACCTGACGCGTGGGGGACGCTTCTTA 1186
DB 300 CCGGGCCCTTCTACTGCTGCCAGGGG-TGTGGTACCTGACGCGTGGGGGACGCTTCTTA 358
QY 1187 CAAGAACAGTCCT 1199
DB 359 CAAGAACAGTCCT 371

Search completed: May 11, 2003, 02:28:33
Job time : 509 secs

GenCore version 5.1.4.p5.4578
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OM nucleic - nucleic search, using sw model

Run on: May 11, 2003, 02:17:49 : Search time 3073 seconds
(without alignments)
11262.530 Million cell updates/sec

Title: US-09-924-647-1

Perfect score: 2137

Sequence: 1 gctccagcgaagaacctcg.....ttaaaatggagtttgtt 2137

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters: 32308132

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*

- 1: em_estba:**
- 2: em_esthum:**
- 3: em_estin:**
- 4: em_estmu:**
- 5: em_estov:**
- 6: em_estpl:**
- 7: em_estro:**
- 8: em_htc:**
- 9: gb_est1:**
- 10: gb_est2:**
- 11: gb_htc:**
- 12: gb_est3:**
- 13: gb_est4:**
- 14: gb_est5:**
- 15: em_estfun:**
- 16: em_estom:**
- 17: gb_gss:**
- 18: em_gss_hum:**
- 19: em_gss_inv:**
- 20: em_gss_pln:**
- 21: em_gss_vrt:**
- 22: em_gss_fun:**
- 23: em_gss_mam:**
- 24: em_gss_mus:**
- 25: em_gss_othr:**
- 26: em_gss_pro:**
- 27: em_gss_rod:**

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
c 1	881.8	41.3	961	9	AL563740
2	815.4	38.2	888	13	B1919047
3	713.6	33.4	835	12	BE889616
4	662.8	31.0	741	12	BE869144
5	629.4	29.5	708	12	BG328684
6	536	25.1	980	9	AL530420

c 7	467	21.9	472	9	A1076490
c 8	461.2	21.6	467	9	A1654914
c 9	442.4	20.7	752	17	B03767
c 10	379.4	17.8	398	9	A1265931
c 11	373.6	17.5	410	9	BE089911
c 12	344.4	16.1	370	9	AA220994
c 13	286.8	13.4	353	9	AA218987
c 14	266.4	12.5	291	9	AA232080
c 15	217.6	10.2	1807	11	AK017829
c 16	206.2	9.6	600	12	BG080427
c 17	205.8	9.6	767	13	B1152156
c 18	204.6	9.6	701	14	BM937058
c 19	203.8	9.5	231	9	AA232079
c 20	203.8	9.5	600	12	BG080532
c 21	203.8	9.5	600	13	B1986868
c 22	203.8	9.5	600	13	B1590207
c 23	203.8	9.5	600	13	B1930551
c 24	203.6	9.5	600	13	B1985177
c 25	203.4	9.5	600	12	BG800546
c 26	202.8	9.5	600	12	BG806245
c 27	202.2	9.5	600	12	BG801668
c 28	202.2	9.5	600	12	BG05968
c 29	202.2	9.5	600	12	BG807592
c 30	202.2	9.5	600	13	B1989396
c 31	202.2	9.5	600	13	B1991271
c 32	201.2	9.4	600	12	BG802321
c 33	201.2	9.4	600	12	BG806098
c 34	201	9.4	600	12	BG808484
c 35	200.8	9.4	600	12	BG808657
c 36	200.2	9.4	600	13	B1988130
c 37	199.4	9.3	600	12	BG807200
c 38	198.2	9.3	600	12	BG800141
c 39	195	9.1	600	13	B1991414
c 40	194.6	9.1	600	12	BG807014
c 41	193.6	9.1	600	12	BG800168
c 42	192.8	9.0	600	12	BG802427
c 43	189	8.8	600	12	BG806375
c 44	188	8.8	600	13	B1990320
c 45	187.8	8.8	600	12	BG801738

ALIGNMENTS

RESULT 1
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LOCUS AL563740 961 bp mRNA linear EST 16-FEB-2001
DEFINITION AL563740 LTI_NFL001_NBC4 Homo sapiens cDNA clone CSDD007YG02 3
prime, mRNA sequence.
ACCESSION AL563740
VERSION AL563740.1 GI:12913430
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 961)
AUTHORS Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.
FEATURES
Location/Qualifiers
Source 1..961
/organism="Homo sapiens"
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/clone="CSDD007YG02"
/clone_lib="LTI_NFL001_NBC4"
/sex="male"
/tissue_type="neuroblastoma cells"
/lab_host="DH10B"

/note="Organ: brain; Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies. Contact : Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive Rockville, Maryland 20850, USA Fax : (1) 301 610 8371 Email : fliang@lifetech.com URL : http://fulllength.invitrogen.com"

BASE COUNT	253 a	209 c	277 g	213 t	9 others
ORIGIN					
Query Match	41.3%; Score 881.8; DB 9; Length 961;				
Best Local Similarity	96.1%; Pred. No. 5.3e-185;				
Matches	916; Conservative	8; Mismatches	26; Indels	3; Gaps	2;
Qy	1127	CCGGGCGCTTTCACGTGTCGACAGGGGTGGTACCTGACGCGTGGGGACGTGCTTCTA	1186		
Db	950	CCCCGCTCTTAAGCGCTGCGCAGGG--CTGTGTACCTGCAGCGT-GGGGACGTGCTTCTA	894		
Qy	1187	CAACAACAGCTCAGTCCAGGTTCTCTTAGCTTTAGGAAGAACATCTAGAGTTGTA	1246		
Db	893	CAAGAACAGTCTCAGTCCAGGTTCTGTGTAGCTTTAGGAAGACACATCTAGAGTTGCA	834		
Qy	1247	CATATTTCAGAGTTTCCATTGGCAGTCCAGTTTCTAGCCCAATAGACTTGTCTGATCATA	1306		
Db	833	CATATTTCAGAGTTTCCATTGGCAGTCCAGTTTCTAGCCCAATAGACTTGTCTGATCATA	774		
Qy	1307	ACATTGTAAGCTGTAGTGGCCAGCTGTCCTGGGCCCCCAATTCGTCCCTCGAGG	1366		
Db	773	ACATTGTAAGCTGTGCTGCTTGGCCGGCTGCTGCTGGGCCCCCAATTCGTCCCTCGAGG	714		
Qy	1367	TTGCTGTGACAGCTGCTGCAGTGTCTCAGTTCCTGTTGAATACCTCCATCGATGGGAAC	1426		
Db	713	TTGCTGTGACAGCTGCTGCAGTGTCTCAGTTCCTGTTGAATACCTCCATCGATGGGGMAC	654		
Qy	1427	TCACCTTCTCTTGGAAAAATCTTATGTCAAGCTGAATTTCTCTAATTTTCTCATCACT	1486		
Db	653	TCACCTTCTCTTGGAAAAATCTTATGTCAAGCTGAATTTCTCTAATTTTCTCATCACT	594		
Qy	1487	TCCCCAGAGCAGCCAGAACAGGCACTAGTTTTTAATTTTCAGGAACAGGTGATCCACT	1546		
Db	593	TCCCCAGGCGCAGCAGAACAGGCACTAGTTTTTAATTTTCAGGACAGGTGATCCACT	534		
Qy	1547	TGTAACACAGCAGTAAATTTCACTCAACCCCATGTGGGAATTCATCTATATCTCACTT	1606		
Db	533	TGTAACACAGCAGTAAATTTCACTCAACCCCATGTGGGAATTCATCTATATCTCACTT	474		
Qy	1607	CCAGGACCAATTTGCCCTTCCCAATCCCTCCAGGCCAGAACTGACTGGAGCAGCATGG	1666		
Db	473	CCAGGACCAATTTGCCCTTCCCAATCCCTCCAGGCCAGGACTGACTGGGCGAGGCATGG	414		
Qy	1667	CCCACCAAGCTTCAGGAGTAGGGGAAGCTGGAGCCCCCACTCCAGCCCTGGGACAATTG	1726		
Db	413	CCCCCAAGCTTCAGGAGTAGGGGAAGCCCTGGAGCCCCCACTCCAGCCCTGGGACAATTG	354		
Qy	1727	AGAATTCCTCCCTGAGGCGAGTTCTGTATGATGCTGTCTCTGAGAATAACTTGTGTCCC	1786		
Db	353	AGAATTCCTCCCTGAGGCGAGTTCTGTATGATGCTGTCTCTGAGAATAACTTGTGTCCC	294		
Qy	1787	GGTGTCACTGCTTCCATCTCCAGCCACAGCCCTCTGCCCCACCTTCACATGCTCCCC	1846		
Db	293	GGTGTCACTGCTTCCATCTCCAGCCACAGCCCTCTGCCCCACCTTCACATGCTCCCC	234		
Qy	1847	ATGATTTGGGGCTTCCAGGCCCCCACCCTTATGTCAACCTGCACTTCTTGTTCAAAAT	1906		
Db	233	ATGATTTGGGGCTTCCAGGCCCCCACCCTTATGTCAACCTGCACTTCTTGTTCAAAAT	174		
Qy	1907	CAGAAAGAAAGATTGGAAGACCCCAAGTCTTGTCAATAACTTGTGTGTGAAGCAG	1966		
Db	173	CAGAAAGAAAGATTGGAAGACCCCAAGTCTTGTCAATAACTTGTGTGTGAAGCAG	114		

Qy	1967	CGGGGGAAGACCTAGAACCCCTTTCCCGACGACCTTGGTTTTCACACATGATATTTATCAGT	2026				
Db	113	CGGGGGAAGACCTAGAACCCCTTTCCCGACGACCTTGGTTTTCACACATGATATTTATCAGT	54				
Qy	2027	AATTTATTTTGATGTACATCTCTTATTTTCTTACATTTATTTATGCCCCCAA	2079				
Db	53	AATTTATTTTGATGTACATCTCTTATTTTCTTACATTTATTTATGCCCCCAA	1				
RESULT 2							
BI919047	BI919047	888 bp	mRNA	linear	EST 17-OCT-2001		
LOCUS	603180811F1 NIH_MGC_121	Homo sapiens	cDNA clone	IMAGE:5245034	5',		
DEFINITION	mRNA sequence.						
ACCESSION	BI919047						
VERSION	BI919047.1	GI:16200101					
KEYWORDS	EST.						
SOURCE	human.						
ORGANISM	Homo sapiens						
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;						
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.						
REFERENCE	1 (bases 1 to 888)						
AUTHORS	NIH-MGC http://mgc.nci.nih.gov/ .						
TITLE	National Institutes of Health, Mammalian Gene Collection (MGC)						
JOURNAL	Unpublished (1999)						
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov Tissue procurement: Life Technologies, Inc. cDNA Library Preparation: Life Technologies, Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Plate: LLAM1618 row: e column: 03 High quality sequence stop: 833.						
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	/clone_lib="NIH_MGC_121"						
	/lab_host="DH10B"						
	/note="Organ: brain; Vector: pCMV-SPORT; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of 3 fetal brains, female age 20 weeks, female age 24 weeks, and male age 26 weeks. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.7 kb, insert size range 0.7-3.5 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 017. Note: this is a NIH_MGC Library."						
BASE COUNT	150 a	305 c	282 g	151 t			
ORIGIN							
Query Match	38.2%; Score 815.4; DB 13; Length 888;						
Best Local Similarity	98.9%; Pred. No. 2.8e-170;						
Matches	863; Conservative	0; Mismatches	6; Indels	4; Gaps	4;		
Qy	237	GAATGCTCGGTGTCTTTGGGACCTACCGTGGGGCCGCTAAGGCGCTACTATATAAGG	296				
Db	2	GAATGCTCGGTGTCTTTGGGACCTACCGTGGGGCCGCTAAGGCGCTACTATATAAGG	61				
Qy	297	CTGCGCGCCGGAGCGCGCGCTCAGAGCAGGAGCGCTGCGTCCAGGATCTAGGGCC	356				
Db	62	CTGCGCGCCGGAGCGCGCGCTCAGAGCAGGAGCGCTGCGTCCAGGATCTAGGGCC	121				
Qy	357	ACGACCATCCAAACCCGGGCACTCACAGCCCGCAGCGCATCCCGGTGCGCCCGCAGCCTC	416				
Db	122	ACGACCATCCAAACCCGGGCACTCACAGCCCGCAGCGCATCCCGGTGCGCCCGCAGCCTC	181				
Qy	417	CCGACCCCATCGCGGGAGCTGGCGGAGAGCCCGAGAGCGTGCCTATCGGAGCGGGT	476				

Db 182 CCGACCCCATCGCCGGAGCTGCGCCGAGAGCCCGCAGAGGTGCATCGCGAGCGGT 241
QY 477 GTCTGTGTTCACAGTATGATCTCTGGCGGCTCTGGCTGGCGTGGCGGCGGCCGCC 536
Db 242 GTGTGTGTTCACAGTATGATCTCTGGCGGCTCTGGCTGGCGTGGCGGCGGCCGCC 301
QY 537 TCGCCTTCCTGGACCGCGGGGCCCGCCAGCTGCTACGGCTGGGGCGACCCATCCGCTGC 596
Db 302 TCGCCTTCCTGGACCGCGGGGCCCGCCAGCTGCTACGGCTGGGGCGACCCATCCGCTGC 361
QY 597 GGCACCTGACACCTCCGCGGCCCGCCAGGCTCTCCAGCTGCTTCTTGGCGATCCGTCGCC 656
Db 362 GGCACCTGACACCTCCGCGGCCCGCCAGGCTCTCCAGCTGCTTCTTGGCGATCCGTCGCC 421
QY 657 ACGGCTCTGTGACCTGCGCGCGGGGCCAGAGCGCGCACAGTTTGTCTGGAGATCAAGCGAG 716
Db 422 ACGGCTCTGTGACCTGCGCGCGGGGCCAGAGCGCGCACAGTTTGTCTGGAGATCAAGCGAG 481
QY 717 TCGCTCTCGGACCGTGGCCATCAAGGGCGTGCACAGCGTGGCGGTACCTCTGCATGGCG 776
Db 482 TCGCTCTCGGACCGTGGCCATCAAGGGCGTGCACAGCGTGGCGGTACCTCTGCATGGCG 541
QY 777 CCGACGGCAAGATCGAGGGCTGCTTCAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGG 836
Db 542 CCGACGGCAAGATCGAGGGCTGCTTCAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGG 601
QY 837 AGATCGCCCGAGATGGCTACAATGTGTACCGATCCGAGAGCACCGCTCCCGTCTGCC 896
Db 602 AGATCGCCCGAGATGGCTACAATGTGTACCGATCCGAGAGCACCGCTCCCGTCTGCC 561
QY 897 TGAGCAGTGCCTCAACAGCGGCGAGCTGTACAAGAACAGAGGCTTTCCTCACTCTCTCAT 956
Db 662 TGAGCAGTGCCTCAACAGCGGCGAGCTGTACAAGAACAGAGGCTTTCCTCACTCTCTCAT 721
QY 957 TCCTGCCATGCTGCCATGCTCCAGAGGAGGCTCGAGACCTCAGGGGCCACTTGGAA 1016
Db 722 TCCTGCCATGCTG-CATGGTCCAGAGGAGGCTCGAGACCTCAGGGGCCACTTGGAA 780
QY 1017 CTGACATGTTCTTCGCCCTGGAGACCGAGCATGGACCATTTGGGCTTGTACCG 1076
Db 781 CTGACATGTTCTTCGCCCTGGAGACCGAGCATGGA-CCATTGGGCTGTGA-CG 838
QY 1077 GACTGAGCGCGTGGAGGATCCAGCTTTGAGA 1109
Db 839 GACTGAAGCGCGTGGAGTCCAGCTTGA 870

RESULT 3
BE889616
LOCUS
DEFINITION
601512637F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:391492 5',
mRNA sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 835)
NIH-MGC <http://mgc.nci.nih.gov/>.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-re@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>

Plate: LLM9735 row: i column: 09
High quality sequence stop: 687.
Location/Qualifiers
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/tissue_type="leiomyosarcoma"
/lab_host="DH10B (phage-resistant)"
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally. Primer: Oligo dt.
Average insert size 2.1 kb."
BASE COUNT 139 a 284 c 267 g 145 t
ORIGIN
Query Match 33.4%; Score 713.6; DB 12; Length 845;
Best Local Similarity 98.5%; Pred. No. le-147;
Matches 741; Conservative 0; Mismatches 9; Indels 2; Gaps 2:
QY 347 ATCTAGGGCCACGACCATCCCAACCGGCACCTCACAGCCCGCAGCGCATCCGCGATCGGCC 406
Db 1 ATCTAGGGCCACGACCATCCCAACCGGCACCTCACAGCCCGCAGCGCATCCGCGATCGGCC 60
QY 407 GCCAGCCTCCGCGACCCCATCGCGGAGCTGCGCGAGAGCCCGAGAGCCCGAGAGGTGCGATG 466
Db 61 GCCAGCCTCCGCGACCCCATCGCGGAGCTGCGCGGAGAGCCCGAGAGGTGCGATG 120
QY 467 CGGAGCGGT 526
Db 121 CGGAGCGGT 180
QY 527 GGGCGCCCTCCGCTTCTCGGACGGCGGCGCCACGTGCTACTACGGCTGGGGCGACACCC 586
Db 181 GGGCGCCCTCCGCTTCTCGGACGGCGGCGCCACGTGCTACTACGGCTGGGGCGACACCC 240
QY 587 ATCCGCTCGGGACCTGTACACCTCCGCGCCCGCCAGCGGCTGTTCAGCTGTCTTCGCGC 646
Db 241 ATCCGCTCGGGACCTGTACACCTCCGCGCCCGCCAGCGGCTGTTCAGCTGTCTTCGCGC 300
QY 647 ATCCGTGCGCGAGCGCTGTGTGACTGCGCGGGGCCAGAGCGCGCACAGTTGCTGGAG 706
Db 301 ATCCGTGCGCGAGCGCTGTGTGACTGCGCGGGGCCAGAGCGCGCACAGTTTCTGTGGAG 360
QY 707 ATCAAGGCAGTCTGCTGCGGACCGCTGGGCTATCAAGGGCTGCGACAGCGTGGGTAACCTC 766
Db 361 ATCAAGGCAGTCTGCTGCGGACCGCTGGGCTATCAAGGGCTGCGACAGCGTGGGTAACCTC 420
QY 767 TGCATGGGCGCGACGGCAAGATGCGAGGGCTGCTTCACTCTCGAGGAAGATCTGTGT 826
Db 421 TGCATGGGCGCGACGGCAAGATGCGAGGGCTGCTTCACTCTCGAGGAAGATCTGTGT 480
QY 827 TTCGAGGAGAGATCCGCGCCAGATGCTACAATGCTTACCGATCCGAGAGCACTCCCTC 886
Db 481 TTCGAGGAGAGATCCGCGCCAGATGCTACAATGCTTACCGATCCGAGAGCACTCCCTC 540
QY 887 CCGGCTCTCCCTGAGCAGTGCCTCAACAGCGCGAGCTGTACAAGAACAGAGCTTCTTCTTCCA 946
Db 541 CCGGCTCTCCCTGAGCAGTGCCTCAACAGCGCGAGCTGTACAAGAACAGAGCTTCTTCTTCCA 600
QY 947 CTCTCTCATTTCTGCTCCCATGTGCTCCCATGTGCTCCCGAGAGGCTGTAGAGCTTACGGGC 1006
Db 601 CTCTCTCATTTCTGCTCCCATGTGCTCCCATGTGCTCCCGAGAGGCTGTAGAGCTTACGGGC 660
QY 1007 CACTTGGAAATCTGACATGTTCTTCTCGCCCTTGGAGACCGACAGCATGACCAATTTGGG 1066
Db 661 CACTTGGAAATCTGACATGTTCTTCTCG-CCCTGGAGACCGA-AGCATTTGGAGCTGTGTGG 718
QY 1067 CTTTGTACCGGACTGGAGGCGCTGTAGGAGTCC 1098
Db 719 CTTTGTACCGGACTGGAGGCGCGAAGGAGTCC 750

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RESULT 4
BE869144
LOCUS
DEFINITION 601445130F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3849343 5',
            mRNA sequence.
VERSION BE869144
KEYWORDS BE869144.1 GI:10317920
SOURCE EST.
ORGANISM human.
           Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
           1 (bases 1 to 741)
REFERENCE NIH-MGC http://mgc.nci.nih.gov/.
AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
TITLE Unpublished (1999)
JOURNAL Contact: Robert Strausberg, Ph.D.
COMMENT Email: cgapbs@mail.nih.gov
          Tissue Procurement: ATCC
          cDNA Library Preparation: Life Technologies, Inc.
          cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
          DNA Sequencing by: Incyte Genomics, Inc.
          Clone distribution: MGC clone distribution information can be
          found through the I.M.A.G.E. Consortium/LLNL at:
          http://image.llnl.gov
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        Average insert size 1.8 kb. Library constructed by Life
        Technologies."
BASE COUNT 122 a 259 c 235 g 125 t
ORIGIN

Query Match 31.0%; Score 662.8; DB 12; Length 741;
Best Local Similarity 97.5%; Pred. No. 1.9e-136;
Matches 721; Conservative 0; Mismatches 12; Indels 7; Gaps 5;

QY 355 CCAGGACCATCCCAACCGGCACTCACAGCCCGCAGCGCATCCCGTCCGCCGCCAGCC 414
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      |||||||
QY 415 TCCGCGACCCCATCGCGGAGCTGGCGCGAGAGCCCGCAGGAGGTGCCATGCGGAGCG 474
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DB 61 TCCGCGACCCCATCGCGGAGCTGGCGCGAGAGCCCGCAGGAGGTGCCATGCGGAGCG 120
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QY 475 GTGTGTGTGTCTCCAGCTATGATCTCTGGCGCGCTCTGTGGCTGGCGCGCGCGCC 534
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DB 121 GTGTGTGTGTCTCCAGCTATGATCTCTGGCGCGCTCTGTGGCTGGCGCGCGCGCC 180
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QY 535 CCTCGCCTTCTCGGACGCGGGGCCCCACGTGCACTACGGCTGGGGCGACCCCATCCGCGCT 594
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DB 181 CCTCGCCTTCTCGGACGCGGGGCCCCACGTGCACTACGGCTGGGGCGACCCCATCCGCGCT 240
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QY 595 CGGCGACCTGTACACCTCCGCGCGCCCCAGGGCTCTCCAGCTGCTTCTGGCGCATCCGTGC 654
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DB 241 CGGCGACCTGTACACCTCCGCGCGCCCCAGGGCTCTCCAGCTGCTTCTGGCGCATCCGTGC 300
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QY 655 CGAGCGGCTCTGTGACTCGCGCGGGGCCACAGAGCGGCACAGTTTGTGTGAGATCAAGGC 714
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DB 301 CGAGCGGCTCTGTGACTCGCGCGGGGCCACAGAGCGGCACAGTTTGTGTGAGATCAAGGC 360
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QY 715 AGTCGCTCTGCGGACCGTGGCCATCAAGGGCGTGCACAGCGTGGCGGTACCTCTGCATGGG 774
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QY 775 CGCGACGCGCAAGATGACGGGGCTGCTTCACTCTCGAGGAAGACTGTGCTTTTCGAGGA 834
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QY 835 GGAGATCCGCCCGCAGATGGCTACAATGTGTACCGATCCGAGAAGACCGCCTCCCGGCTCTC 894
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DB 481 GGAGATCCGCCCGCAGATGGCTACAATGTGTACCGATCCGAGAAGACCGCCTCCCGGCTCTC 540
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QY 1074 CCGACTGGAGGCGCTGAGGAGTCCC 1099
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DB 716 CCGACTGGAGG-CGTGAGGAGTCCC 740
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RESULT 5
LOCUS BG328684 708 bp mRNA linear EST 27-FEB-2001
DEFINITION 602427957F1 NIH_MGC_15 Homo sapiens cDNA clone IMAGE:4547223 5',
            mRNA sequence.
ACCESSION BG328684
VERSION BG328684.1 GI:13135122
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
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           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
           1 (bases 1 to 708)
REFERENCE NIH-MGC http://mgc.nci.nih.gov/.
AUTHORS National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
          Email: cgapbs@mail.nih.gov
          Tissue Procurement: ATCC
          cDNA Library Preparation: Ling Hong/Rubin Laboratory
          cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
          DNA Sequencing by: NIH Intramural Sequencing Center
          Clone distribution: MGC clone distribution information can be
          found through the I.M.A.G.E. Consortium/LLNL at:
          http://image.llnl.gov
          Plate: L1CM1235 row: a column: 16
          High quality sequence stop: 708.
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        /lab_host="DH10B (phage-resistant)"
        /note="Organ: colon; Vector: pOTB7; Site_1: XhoI; Site_2:
        EcoRI; cDNA made by oligo-dT priming. Directionally
        cloned into EcoRI/XhoI sites using the following 5'
        adaptor: GGCACGAG(G). Size-selected >500bp for average
        insert size 1.8kb. Library constructed by Ling Hong in
        the laboratory of Gerald M. Rubin (University of
        California, Berkeley) using ZAP-cDNA synthesis kit
        (Stratagene) and Superscript II RT (Life Technologies)"
BASE COUNT 115 a 247 c 227 g 119 t
ORIGIN

Query Match 29.5%; Score 629.4; DB 12; Length 708;

```

[illegible]

```

RESULT 7
AI076490/c
LOCUS
DEFINITION
O228c05.x1 Soares total_fetus_Nb2HF8_9w Homo sapiens cDNA clone
IMAGE:1676648 3', mRNA sequence.
ACCESSION
AI076490
VERSION
AI076490.1 GI:3405668
KEYWORDS
EST.
SOURCE
human.
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE
1 (bases 1 to 472)
NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.
AUTHORS
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
TITLE
Tumor Gene Index
JOURNAL
Unpublished (1997)
COMMENT
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 1485 Std Error: 0.00
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 448.
FEATURES
Location/Qualifiers
source
1..472
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:1676648"
/clone_lib="Soares_total_fetus_Nb2HF8_9w"
/dev_stage="8-9 weeks"
/lab_host="DH108"
/notes="Vector: pT7T3D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
was prepared from mRNA obtained from pooled 8-9 week
(total) fetus material with a Not I - oligo(dT) primer [5'
TGTTACCAATGAATGGAGCGCGCTTAATTTTTTTTTTTT 3'].
Double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pT7T3 vector. Library
went through one round of normalization, and was
constructed by Bento Soares and M. Fatima Bonaldo."
BASE COUNT 139 a 95 c 122 g 116 t
ORIGIN
Query Match 21.9%; Score 467; DB 9; Length 472;
Best Local Similarity 100.0%; Pred. No. 4.8e-93;
Matches 467; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1671 CCAGGCTTCAGGAGTAGGGAGCCTCGAGCCCTCCAGCCCTGGGACAACTTGAGAA 1730
DB 472 CCAGGCTTCAGGAGTAGGGAGCCTCGAGCCCTCCAGCCCTGGGACAACTTGAGAA 413
QY 1731 TTCCCTCCTGAGCCAGTCTGTCTATGATGCTGTCTGAGAACTTGTCTCCCGTG 1790
DB 412 TTCCCTCCTGAGCCAGTCTGTCTATGATGCTGTCTGAGAACTTGTCTCCCGTG 353
QY 1791 TCACCTGCTTCCATCTCCAGCCCTCCAGCCCTCGCTGCTGCTGCTGCTGCTGCTG 1850
DB 352 TCACCTGCTTCCATCTCCAGCCCTCCAGCCCTCGCTGCTGCTGCTGCTGCTGCTG 293
QY 1851 ATTGGGGCTCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTGTTCAAAATCAGG 1910
DB 292 ATTGGGGCTCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTGTTCAAAATCAGG 233
QY 1911 AAAAGAAAGATTGAGAGCCCCAAGTCTTGTCAATAACTTGTCTGTGGAAGCAGCGG 1970
DB 232 AAAAGAAAGATTGAGAGCCCCAAGTCTTGTCAATAACTTGTCTGTGGAAGCAGCGG 173
QY 1971 GGAAGACCTAGAACCCCTTCCCGAGCACTTGGTGTTCACATCATGATATTATGAGTAAT 2030
DB 172 GGAAGACCTAGAACCCCTTCCCGAGCACTTGGTGTTCACATCATGATATTATGAGTAAT 113

```

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QY 2031 TATTTTGATATGACATCTCTCTATTTTCTTACATTTATTTATGCCCAAAATTAATTTAT 2090
DB 112 TATTTTGATATGACATCTCTCTATTTTCTTACATTTATTTATGCCCAAAATTAATTTAT 53
QY 2091 GTATGTAAGTGAGGTTTGTGTTTGTATATTAATAATGGAGTTTGTGTGT 2137
DB 52 GTATGTAAGTGAGGTTTGTGTTTGTATATTAATAATGGAGTTTGTGTGT 6

RESULT 8
AI654914/c
LOCUS
DEFINITION
wb52d05.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2309289 3',
mRNA sequence.
ACCESSION
AI654914
VERSION
AI654914.1 GI:4738893
KEYWORDS
EST.
SOURCE
human.
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
REFERENCE
1 (bases 1 to 467)
NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.
AUTHORS
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
TITLE
Tumor Gene Index
JOURNAL
Unpublished (1997)
COMMENT
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D., Ph.D., Michael
R. Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 1230 Std Error: 0.00
Seq primer: -40UP from Gibco
High quality sequence stop: 456.
FEATURES
Location/Qualifiers
source
1..467
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:2309289"
/clone_lib="NCI_CGAP_GC6"
/tissue_type="pooled germ cell tumors"
/lab_host="DH108"
/notes="Vector: pT7T3D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; Plasmid DNA
from the normalized library NCI_CGAP_GC4 was prepared, and
ss circles were made in vitro. Following HAP purification,
this DNA was used as tracer in a subtractive hybridization
reaction. The driver was PCR-amplified cDNAs from a pool
of 5,000 clones made from the same library (cloneIDs
1257096-1258631, 1469064-1470983, and 1475592-1476743).
Subtraction by Bento Soares and M. Fatima Bonaldo."
BASE COUNT 139 a 93 c 120 g 115 t
ORIGIN
Query Match 21.6%; Score 461.2; DB 9; Length 467;
Best Local Similarity 99.4%; Pred. No. 9.3e-92;
Matches 463; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1672 CAGGCTTCAGGAGTAGGGAGCCTCGAGCCCTCCAGCCCTGGGACAACTTGACAAT 1731
DB 466 CAGGCTTCAGGAGTAGGGAGCCTCGAGCCCTCCAGCCCTGGGACAACTTGACAAT 407
QY 1732 TCCTCCCTGAGCCAGTTCTGTCTCATGATGCTGTCTGAGAACTAATCTGCTGCCCGGTGT 1791
DB 406 TCCTCCCTGAGCCAGTTCTGTCTCATGATGCTGTCTGAGAACTAATCTGCTGCCCGGTGT 347

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TGTTACAACTCTGAAGTCGGAGCGCGCTTAATTTTTTTTTTTTTTTTTTTT 3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT73 vector. Library went through one round of normalization, and was constructed by Bento Soares and M. Fatima Bonaldo. "

BASE COUNT	128 a	73 c	97 g	99 t	1 others
ORIGIN					
Query Match	17.8%	Score 379.4	DB 9	Length 398	
Best Local Similarity	99.2%	Pred. No. 1.3e-73			
Matches 391	Conservative	0	Mismatches	2	Indels 1
Gaps					1
QY 1744	CAGTCTCTCATGGATGCTGTCTTGAGAATAACATTGCTGCCCGGTGCACCTGCTCTCCA	1803			
DB 398	CAGTCTCTCATGGATGCTGTCTTGAGAATAACATTGCTGCCCGGTGCACCTGCTCTCCA	339			
QY 1804	TCGCCAGCCCCACGACCCCTGCCACCTTCACATGCGCTCCCCATGGATTGGGCGCTCC	1863			
DB 338	TCGCCAGCCCCACGACCCCTGCCACCTTCACATGCGCTCCCCATGGATTGGGCGCT-CC	280			
QY 1864	AGGCCCCCCACCTTATGTCAACCTGCACCTCTCTTCTTCAAAAATCAGAAAAGAAAAAGATT	1923			
DB 279	AGGCCCCCNCCCTTATGTCAACCTGCACCTCTCTTCTTCAAAAATCAGAAAAGAAAAAGATT	220			
QY 1924	TGAAGACCCCAAGTCTTGTCAATAACTTGTGTGGAAGCAGCGGGGAAGACCTAGAA	1983			
DB 219	TGAAGACCCCAAGTCTTGTCAATAACTTGTGTGGAAGCAGCGGGGAAGACCTAGAA	160			
QY 1984	CCCTTTCCCGACGACCTTGGTTTTCCACATGATATTTATGAGTAATTTTTCATATGT	2043			
DB 159	CCCTTTCCCGACGACCTTGGTTTTCCACATGATATTTATGAGTAATTTTTCATATGT	100			
QY 2044	ACATCTCTTATTTTCTTTACATTTATTTATGCCCCCAAAATTATATTTATGTATGTAAGTGAG	2103			
DB 99	ACATCTCTTATTTTCTTTACATTTATTTATGCCCCCAAAATTATATTTATGTATGTAAGTGAG	40			
QY 2104	GTTTGTTTTGTATATTAATAATGGAGTTTGTGTGT	2137			
DB 39	GTTTGTTTTGTATATTAATAATGGAGTTTGTGTGT	6			

[illegible]

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

1 (bases 1 to 410)

REFERENCE

AUTHORS

Dias Neto, E., Garcia Correa, R., Verjovski-Almeida, S., Briones, M. R., Nagai, M. A., da Silva W. Jr., Zago, M. A., Bordin, S., Costa, F. F., Goldman, G. H., Carvalho, A. F., Matsumura, A., Baia, G. S., Simpson, D. H., Brustein, A., de Oliveira, P. S., Bucher, P., Jongeneel, C. V., O'Hare, M. J., Soares, F., Brentani, R. R., Reis, L. F., de Souza, S. J. and Simpson, A. J.

TITLE Simpson, A. J. J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
MEDLINE 20202663
COMMENT Contact: Simpson A. J. J.

Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel.: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome

This sequence was derived from the FAPESP/LICR Human Cancer Genome

Project. This entry can be seen in the following URL
(<http://www.ludwig.org.br/scripts/gethtml2.pl?ti=&t2=RC5-BT0708-160>)
Seq primer: E10&t3=2000-03-16&t4=1
Seq primer: puc 18 forward
High quality sequence start: 16
High quality sequence stop: 409

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FEATURES
source
high quality sequence stop: 409.
Location/Qualifiers
1. .410
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="BR0708"
/dev_stage="Adult"
/notes="Organ: breast; Vector: puc18; Site_1: SmaI; Site_2:
SmaI; A mini-library was made by cloning products derived
from ORESTES PCR (U.S. Letters Patent application No. 196
,716 - Ludwig Institute for Cancer Research) profiles
into the pUC 18 vector. Reverse transcription of tissue
mRNA and cDNA amplification were performed under low
stringency conditions."
117 a 99 c 105 g 89 t
BASE COUNT
ORIGIN

```

BASE COUNT	117 a	99 c	105 g	89 t	Stringency conditions.
ORIGIN					
Query Match	17.5%	Score 373.6;	DB 10;	Length 110;	
Best Local Similarity	98.9%	Pred. No. 2.4e-72;			
Matches 376;	Conservative	0;	Mismatches 4;	Indels 0;	Gaps 0;
Qy 1157	GGTACCTGCACGCGTGGGGAGCTGCTTCTACAAGAACAGCTCTGAGTGCCACGTTCTCTTT	1216			
Db 395	GGTCCCTGCACGCGTGGGGAGCTGCTTCTACAAGAACAGCTCTGAGTCCACGTTCTCTTT	336			
Qy 1217	AGCTTTTAGGAAGAACAATCTAGAAAGTTGTACATATTTCAGAGTTTTCATTGGCCAGTGCCA	1276			
Db 335	AGCTTTTAGGAAGAACAATCTAGAAAGTTGTACATATTTCAGAGTTTTCATTGGCCAGTGCCA	276			
Qy 1277	GTTTCTAGCCAAATAGACTTGTCTGATCATACATGTTAAGCTGCTAGCTTGGCCAGCTGC	1336			
Db 275	GTTTCTAGCCAAATAGACTTGTCTGATCATACATGTTAAGCTGCTAGCTTGGCCAGCTGC	216			
Qy 1337	TGCTGGGGCCCCCATCTGCTCCCTCGAGGTGCTGGACAAGCTGTGTCAGTGTCTCAGT	1396			
Db 215	TGCTGGGGCCCCCATCTGCTCCCTCGAGGTGCTGGACAAGCTGTGTCAGTGTCTCAGT	156			
Qy 1397	TCTGCTTTGAATACCTCATCGATGGGAATCTCACTTCCCTTTGGAAAAATTTCTATGTCAA	1456			
Db 155	TCTGCTTTGAATACCTCATCGATGGGAATCTCACTTCCCTTTGGAAAAATTTCTATGTCAA	96			
Qy 1457	GCTGAAATTCCTCAATTTTCTCATCACTTCCCGAGGAGCAGCCAGAAACAGGCAGTA	1516			
Db 95	GCTGACCTTCTCAATTTTCTCATCACTTCCCGAGGAGCAGCCAGAAACAGGCAGTA	36			
Qy 1517	GTTTTTAATTTTCAGAACAGG	1536			
Db 35	GTTTTTAATTTTCAGAACAGG	16			

RESULT 12					
AA220994					
LOCUS	AA220994	370 bp	mRNA	linear	EST 11-FEB-1997
DEFINITION	z101905.r1	Stratagene NT2 neuronal precursor	937230	Homo sapiens	
		cDNA clone IMAGE:650264	5',	mRNA sequence.	

ACCESSION	AA220994	
VERSION	AA220994.1	GI:1839737
KEYWORDS	EST.	
SOURCE	human.	

SOURCE: Homo sapiens
ORGANISM: Eukaryota; Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi: Mammalia: Primates: Catarrhini: Hominoidea: Homo.
REFERENCE: 1 (bases 1 to 370)
AUTHORS: Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, N., Dubuque, T., Favello, A., Gish, W., Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Mieg, J., Trevisan, E.,

SOURCE: human.
ORGANISM: Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE: 1 (bases 1 to 353)
AUTHORS: Hillier, L., Lennon, G., Becker, M., Becker, M., Bonaldo, M.F., Chiapelli, B.,
Chissoe, S., Dietrich, N., Dubuque, T., Favell, A., Gish, W., Hawkins,
J.M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore,
J.B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T.,
Schellenberg, K., Soares, M.B., Tan, F., Thierry-Mieg, J., Trevaskis, E.,
Underwood, K., Wohldmann, P., Waterston, R., Wilson, R. and Marra, M.
Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
9704478
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box #501, St. Louis, MO 64108
Tel: 314 286 1800
Fax: 314 286 1810
Email: estewatson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: -41m13 fwd. Et from Amersham
High quality sequence stop: 193.
Location/Qualifiers
1..353
/organism="Homo sapiens"
/db_xref="GDB:5276853"
/db_xref="taxon:9606"
/clone="IMAGE:650264"
/clone_lib="Stratagene NT2 neuronal precursor 937230"
/tissue_type="neuroepithelial cells"
/dev_stage="Ntera-2 neuroepithelial cells"
/lab_host="SOLR (kanamycin resistant)"
/note="Organ: brain; Vector: pBluescript SK-; Site: 1:
EcoRI; Site: 2: XhoI; Cloned unidirectionally. Primer:
cells dt. Uninduced, exponentially growing neuroepithelial
cells (Ntera-2/cl.D1). Average insert size: 1.0 kb;
Uni-ZAP XR Vector: -5' adaptor sequence: 5' GAATTCGGCAGCAG
3' -3' adaptor sequence: 5' CTCGAGTCTTTTCTTTTCTTTT 3' 9 others
BASE COUNT 104 a 54 c 66 g 120 t
ORIGIN
Query Match 13.4%; Score 286.8; DB 9; Length 353;
Best Local Similarity 96.1%; Pred. No. 4.3e-53;
Matches 299; Conservative 0; Mismatches 11; Indels 1; Gaps 1;
QY 1827 CCACCTTCACATCGCTCCCATGGATTGGCGCTCCAGCGCCCGCCACCTTATCTCAACC 1886
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 353 CCACCTTCANATGCTCCCATGGAAATGCGCTCCAGCGCCCGCCACCTTNTTCTCAACC 294
QY 1887 TGCACCTCTGTTCACAAATTCAGGAAAGAAAGATTGTAAGACCGCCCAAGTCTTGTCAT 1946
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Db 293 TGCACCTCTGTTCACAAATTCAGGAAAGAAAGATTGTAAGACCGCCCAAGTCTTGTCAT 234
QY 1947 AACTTGTCTGTGTGAACACCGGGGGAAGACCTAGAACCCCTTTCCCGCAGCACTTGTGTTT 2096
Db 233 AACTTGTCTGTGTGAACACCGGGGGAAGACCTAGAACCCCTTTCCCGCAGCAC-TGTGTTT 175
QY 2007 CCAACATGATATTTATCAGTAAATTTATTTTGATGTGTACATCTCTTATTTCTTACATTA 2056
||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||||||
Db 174 CCAACATGATATTTTNGTAAATTTATTTTGATGTGTACATCTCTTATTTTACATTA 115
QY 2067 TTTATGCCCCCAATATATTTATGTATGAAGTGAGGTTTGTTTGTATATTAATG 2126
Db 114 TTTTGTCCCCCAATATATTTATGTATGAAGTGAGGTTTGTTTGTATNIAAATGG 55
QY 2127 AGTTTGTGTTGT 2137
||||| |||||||
Db 54 AGTTTGTGTTGT 44
RESULT 14

AA232080/c	AA232080	291 bp	mRNA	linear	EST 28-FEB-1997
LOCUS	zr23g10.s1	Stratagene NT2 neuronal precursor	937230	Homo sapiens	
DEFINITION	cDNA clone IMAGE:664290 3', mRNA sequence.				
ACCESSION	AA232080				
VERSION	AA232080.1	GT:1855310			
KEYWORDS	EST.				
SOURCE	human.				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.				
AUTHORS	1 (bases 1 to 291) Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chisoso, S., Dietrich, N., Dubucq, T., Favello, A., Gish, W., Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Wardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Mieg, J., Trevaskis, E., Underwood, K., Wohlmann, P., Waterston, R., Wilson, R. and Marra, M.				
TITLE	Generation and analysis of 280,000 human expressed sequence tags				
JOURNAL	Genome Res. 6 (9), 807-828 (1996)				
MEDLINE	97044478				
COMMENT	Contact: Wilson RK Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: est@wustl.wustl.edu This clone is available royalty-free through LLNL: contact the IMAGE Consortium (info@image.llnl.gov) for further information. Seq primer: -41m13 fwd. ET from Amersham High quality sequence stop: 281.				
FEATURES	Location/Qualifiers				
source	1..291 /organism="Homo sapiens" /db_xref="GDB:5426251" /db_xref="taxon:9606" /clone="IMAGE:664290" /clone_lib="Stratagene NT2 neuronal precursor 937230" /tissue_type="neuroepithelial cells" /dev_stage="Ntera-2 neuroepithelial cells" /lab_host="SOLR (kanamycin resistant)" /note="Organ: brain; Vector: pBluescript SK-; Site: 1: EcoRI; Site 2: XhoI; Cloned unidirectionally. Primer: Oligo dt. Uniduced, exponentially growing neuroepithelial cells (Ntera-2/cl.D1). Average insert size: 1.0 kb; Uni-ZAP XR Vector: -5' adaptor sequence: 5' GATTCGGCAGCAG 3' -3' adaptor sequence: 5' CTCGAGTTTTTTTTTTTTTTT 3' 89 t				
BASE COUNT	99 a 48 c 55 g 89 t				
ORIGIN	Query Match 12.5%; Score 266.4; DB 9; Length 291; Best Local Similarity 99.3%; Pred. No. 1.4e-48; Matches 278; Conservative 0; Mismatches 1; Indels 1; Gaps 1;				
Qy	1858	CTCTCCAGCGCCCGCCACCTATGTCAACCTGCACCTCTGTTCACAAATATCAGGAAGAA	1917		
Db	291	CTCTCCAGCGCCCGCCACCTATGTCAACCTGCACCTCTGTTCACAAATATCAGGAAGAA	232		
Qy	1918	AAGATTGAAGACCCCAAGCTCTGTTCACAACTGCTGTGTGAAGACGGGGGAAGAC	1977		
Db	231	AAGATTGAAGACCCCAAGCTCTGTTCACAACTGCTGTGTGAAGACGGGGGAAGAC	172		
Qy	1978	CTAGAACCTTCCCGCAGCAGCTGGTTTCCACATGATATTATGAGTAATTTATTTT	2037		
Db	171	CTAGAACCTTCCCGCAGCAGCTGGTTTCCACATGATATTATGAGTAATTTATTTT	113		
Qy	2038	ATATGTACATCTCTATTTTCTTACATTTATTTATGCCCCCAATATATTTATGTATGTA	2097		
Db	112	ATATGTACATCTCTATTTTCTTACATTTATTTATGCCCCCAATATATTTATGTATGTA	53		
Qy	2098	AGTGAGGTTTGTGTGTATATTTAAATGAGGTTCTTTGT	2137		
Db	52	AGTGAGGTTTGTGTGTATATTTAAATGAGGTTCTTTGT	13		

Hume, D., Inotani, K., Ishii, Y., Itoh, M., Izawa, M., Kasukawa, T., Kato, H., Kawai, J., Kojima, Y., Konno, H., Kouda, M., Koya, S., Kurihara, C., Matsuyama, T., Miyazaki, A., Nishi, K., Nomura, K., Numazaki, R., Ohno, M., Okazaki, Y., Okido, T., Owa, C., Quackenbush, J., Saito, H., Saito, R., Sakai, K., Sakai, K., Sano, H., Sasaki, D., Schriml, L., Shibata, K., Shibata, Y., Shingawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagami, M., Tagawa, A., Takahashi, F., Tanaka, T., Tejima, Y., Toyota, T., Yamamura, T., Yamaoka, I., Yasunishi, A., Yoshida, K., Yoshino, M., Muramatsu, M. and Hayashizaki, Y.

TITLE Direct Submission

Submitted (10-JUL-2000) Yoshihide Hayashiraki, The Institute of Physical and Chemical Research (RIKEN), Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center (GSC) RIKEN Yokohama Institute; 1-7-2 Suenho-cho, Tsurumi-ku, Yokohama 230-0045, Japan (E-mail: genome.resc.riken.ou.jp, URL: <http://genome.gsc.riken.go.jp/>, Tel: 81-45-503-9222, Fax: 81-45-503-9216)

COMMENT
Please visit our web site (<http://genome.gsc.riken.go.jp/>) for further details.

	FEATURES	SOURCE
1.	Age	1980 Census
2.	Sex	"
3.	Ethnicity	"
4.	Marital status	"
5.	Religion	"
6.	Education	"
7.	Occupation	"
8.	Income	"
9.	Home ownership	"
10.	Health insurance	"
11.	Life expectancy	"
12.	Mortality rate	"
13.	Fertility rate	"
14.	GDP per capita	"
15.	Unemployment rate	"
16.	Inflation rate	"
17.	Interest rate	"
18.	Government expenditure	"
19.	Private consumption	"
20.	Investment	"
21.	Exports	"
22.	Imports	"
23.	Balance of trade	"
24.	Foreign debt	"
25.	Official development assistance	"
26.	Net capital flows	"
27.	Current account balance	"
28.	Capital account balance	"
29.	Trade credit	"
30.	Export credit	"
31.	Import credit	"
32.	Foreign exchange reserves	"
33.	Money stock	"
34.	Currency value	"
35.	Exchange rate	"
36.	Interest parity	"
37.	Purchasing power parity	"
38.	Real GDP growth	"
39.	Per capita income growth	"
40.	Population growth	"
41.	Urban population growth	"
42.	Rural population growth	"
43.	Total population growth	"
44.	Birth rate	"
45.	Death rate	"
46.	Natural increase	"
47.	Infant mortality rate	"
48.	Maternal mortality ratio	"
49.	Under-five mortality rate	"
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51.	Life expectancy at age 65	"
52.	Life expectancy at age 75	"
53.	Life expectancy at age 85	"
54.	Life expectancy at age 95	"
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CDS

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1807

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Best Local Similarity 63.8%; Pred. No. 9.9e-38;
Matches 429; Conservative 0; Mismatches 204; Indels 39; Gaps 5;

Qy 464 ATGCGGAGCGGTGTGTGGTGGTCCACGTATGGATCCCTGGCCGGCCTCTGGCTGGCCGTG 523

Figure 1 is a vertical timeline illustrating the progression of time from 1980 to 2000. The timeline is marked with years and includes a legend for 'T' (Total) and 'F' (Favorable). The timeline shows a series of horizontal bars representing the duration of the study, with 'T' indicating the total duration and 'F' indicating the favorable duration. The timeline is divided into segments by vertical lines, with the years 1980, 1985, 1990, 1995, and 2000 marked at the top. The legend at the bottom indicates that 'T' represents the total duration and 'F' represents the favorable duration.

Db 159 AAGTGAACGGCGTGCGGTGGCCCGAGCCCTGGTCCTGGCCACTCTGTGGCTGGCTGTG 218

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Qy 524 GCCGGGGCCCCCTCGCCT-----TCTCGGACGGGGGCCACGTCAC 568

Db 219 TCTGGCGTCCCCCTGGCTCAGCAATCCCAGTCTGTGTGTCAGATCCACTCTTTCTC 278

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: May 11, 2003, 02:19:03 : Search time 86 Seconds
(without alignments)
7620.561 Million cell updates/sec

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	70.4	3.3	528	4	US-08-478-486F-10
2	70.4	3.3	618	4	US-08-478-486F-9
3	70.4	3.3	1142	4	US-08-478-486F-11
4	70.4	3.3	1219	5	PCT-US93-06251-11
5	68.6	3.2	599	6	5430019-1
6	68.6	3.2	423	1	US-08-187-780-2
7	68.6	3.2	423	1	US-08-187-780-5
8	68.6	3.2	423	2	US-08-478-485-2
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31	47.8	2.2	71989	4	US-09-443-501A-2	Sequence 2, Appl	
32	47.6	2.2	7218	1	US-08-232-463-14	Sequence 14, Appl	
33	47.4	2.2	1491	4	US-09-082-092-9	Sequence 9, Appl	
34	47.4	2.2	1817	4	US-09-288-292A-45	Sequence 45, Appl	
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39	45.6	2.1	1347	3	US-08-680-506-8	Sequence 8, Appl	
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c	43	45.6	2.1	13842	4	US-09-105-537-30	Sequence 30, Appl
c	44	45.6	2.1	36778	4	US-09-105-537-5	Sequence 5, Appl
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ALIGNMENTS

RESULT 1
US-08-478-486F-10
: Sequence 10, Application US/08478486F
: Patent No. 6432702
: GENERAL INFORMATION:
: APPLICANT: CLAUDIO BASILICO
: APPLICANT: DANIELA TALARICO
: TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Darby & Darby P.C.
: STREET: 805 Third Avenue
: CITY: New York
: STATE: New York
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy Diskette, 3+ inch,
: MEDIUM TYPE: 1.44 MB storage
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC/MS-DOS
: SOFTWARE: Wordperfect 5.1
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/478,486F
: FILING DATE: June 7, 1995
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/187,780
: FILING DATE: January 25, 1994
: APPLICATION NUMBER: 07/901,705
: FILING DATE: June 22, 1992
: APPLICATION NUMBER: 07/806,771
: FILING DATE: December 6, 1991
: APPLICATION NUMBER: 07/177,506
: FILING DATE: April 4, 1988
: APPLICATION NUMBER: 07/062,925
: FILING DATE: June 16, 1987
: ATTORNEY/AGENT INFORMATION:
: NAME: Howard M. Frankfort
: REGISTRATION NUMBER: 32,613
: REFERENCE/DOCKET NUMBER: 5986/13586-US7
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 527-7700
: TELEFAX: (212) 753-6237
: INFORMATION FOR SEQ ID NO: 10:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 528 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear

MOLECULE TYPE: CDNA
US-08-478-486F-10

Query Match 3.3%; Score 70.4; DB 4; Length 528;
Best Local Similarity 52.3%; Pred. No. 2.5e-08;
Matches 180; Conservative 0; Mismatches 161; Indels 3; Gaps 1;

QY 549 ACGGGGGCCCCAGCTGACCTACGCTGGGGGCGAGCCCATCCGCTCGGGCACCCTGTACA 608
DB 104 AGGAGGGGGCGCTGCAGAGCGGGCGCGGCGGACTACCTGCTGGGCATCAAGCGGCTGCGGC 163
QY 609 CCTCGGGCCCCAGCGCTCTCCAGCTGCTTCTTCCGCGCATCCGCTGCGGAGCGGCTGCTGG 668
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QY 669 ACTCGGGCGGGCGGAGAGCGGCGACACAGTTTGTCTGGAGATCAAGGCGAGTCTCTGCGGA 728
DB 224 CGGCGGCGGCGGAGACACCGGCGACAGCTGCTGGAGCTCTGCCGCTGGAGCGGGGCG 283
QY 729 CCGTGGGCATCAAGGGGCTGACAGCGTGGGTTACCTCTGCGATGGGCGCGGACGGCAAGA 788
DB 284 TGGTGAGCATCTTCGGCGTGGCCAGCGGTTCTTCTGTTGGCCATCAGCAGCAAGGCAAGC 343
QY 789 TGCAGGGGCTCTTCAGTACTTCGAGGAGAGACTGTGCTTTCGAGGAGAGATCCGCCCGAG 848
DB 344 TCTATGGCTCG--CCCTTCTTCCAGCATGAGTGCACGTTCAAGGAGATTCTCCTTCCCA 400
QY 849 ATGGCTACAATGTGTACCGATCCGAGAGACCGCCCTCCCGGTC 892
DB 401 ACACTACAAGCGCTACGAGTCTCTCAAGTACCCCGGCGATGTC 444

RESULT 2

US-08-478-486F-9
Sequence 9, Application US/08478486F
Patent No. 6432702

GENERAL INFORMATION:
APPLICANT: CLAUDIO BASILICO
APPLICANT: DANIELA TALARICO
TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:

ADDRESSEE: Darby & Darby P.C.
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette, 3+ inch,
MEDIUM TYPE: 1.44 MB storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/478,486F
FILING DATE: June 7, 1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/187,780
FILING DATE: January 25, 1994
APPLICATION NUMBER: 07/901,705
FILING DATE: June 22, 1992
APPLICATION NUMBER: 07/806,771
FILING DATE: December 6, 1991
APPLICATION NUMBER: 07/177,506
FILING DATE: April 4, 1988
APPLICATION NUMBER: 07/062,925
FILING DATE: June 16, 1987
ATTORNEY/AGENT INFORMATION:
NAME: Howard M. Frankfort
REGISTRATION NUMBER: 32,613
REFERENCE/DOCKET NUMBER: 5986/13586-US7

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237

INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 618
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-478-486F-9

Query Match 3.3%; Score 70.4; DB 4; Length 618;
Best Local Similarity 52.3%; Pred. No. 2.7e-08;
Matches 180; Conservative 0; Mismatches 161; Indels 3; Gaps 1;

QY 549 ACGGGGGCCCCAGCTGACCTAGCGCTGGGGGCGAGCCCATCCGCTCGGGCACCCTGTACA 608
DB 194 AGAGGGCGGCGCTCCAGAGCGGCGCGGCGGACTACCTGCTGGGCATCAAGCGGCTGCGGC 253
QY 609 CCTCGGGCCCCAGGGGCTCTCCAGCTGCTTCTTGGCATCCGCTGCGGAGCGGCTGCTGG 668
DB 254 GCCTCTACTGCAACGTGGGCATCGGCTTCCACCTCCAGGCGCTCCCGGAGCGGCGCATCG 313
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DB 374 TGGTGAGCATCTTCGGCGTGGCCAGCGGTTCTTCTGCGCATGAGCAGCAAGGCAAGC 433
QY 789 TGCAGGGGCTCTTACGACTCGGAGGAGAGACTGTGCTTTCGAGGAGAGATCCGCCCGAG 848
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QY 849 ATGGCTACAATGTGTACCGATCCGAGAGACCGCCCTCCCGGTC 892
DB 491 ACACTACAAGCGCTACGAGTCTCTCAAGTACCCCGGCGATGTC 534

RESULT 3

US-08-478-486F-11
Sequence 11, Application US/08478486F
Patent No. 6432702

GENERAL INFORMATION:
APPLICANT: CLAUDIO BASILICO
APPLICANT: DANIELA TALARICO
TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:

ADDRESSEE: Darby & Darby P.C.
STREET: 805 Third Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Diskette, 3+ inch,
MEDIUM TYPE: 1.44 MB storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC/MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/478,486F
FILING DATE: June 7, 1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/187,780
FILING DATE: January 25, 1994
APPLICATION NUMBER: 07/901,705
FILING DATE: June 22, 1992
APPLICATION NUMBER: 07/806,771
FILING DATE: December 6, 1991


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; FILING DATE:
; PUBLICATION DATE:
; RELEVANT RESIDUES IN SEQ ID NO: 1-423
US-08-478-485-2

Query Match 3.2%; Score 68.6; DB 2; Length 423;
Best Local Similarity 52.2%; Pred. No. 6.3e-08;
Matches 177; Conservative 0; Mismatches 159; Indels 3; Gaps 1;

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Db 1 GCGGCCGTCAGAGCGCGCGGACTACCTGCTGGGCATCAAGCGCTGCCGGCGCTC 60

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Db 61 TACTGCAACGTGGCATCGGCTTCCACCTCCAGCGGCTCCCGACGCGCCATCGCGGC 120

QY 674 GCGGGGGCCAGAGCGCGGCACAGTTCCTGCGAGATCAAGGCAGTCTGCTGCGGACCGTG 733
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 121 GCGCAGCGGCACACCGCGGACAGCTGCTGGAGCTCTCGCCGCTGGAGCGGCTGTG 180

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Db 241 GGCTCG--CCCTTCTTCCCGATGAGTGACGTCCTCAAGGAGATTCTCTCTCCCAACAAC 297

QY 854 TACAATGTGTACGATCCGAGAACGACCGCTCCCGGTC 892
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 298 TACAAGCCCTACGAGTCTTACAAGTACCCCGGATGTTTC 336

RESULT 9
US-08-478-485-5
; Sequence 5, Application US/08478485
; Patent No. 5883071
; GENERAL INFORMATION:
; APPLICANT: CLAUDIO BASILICO
; APPLICANT: DANIELA TALARICO
; TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby P.C.
; STREET: 805 Third Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Diskette, 3+ inch,
; MEDIUM TYPE: 1.44 MB storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC/MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,485
; FILING DATE: Concurrently Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/187,780
; FILING DATE: January 25, 1994
; APPLICATION NUMBER: 07/901,705
; FILING DATE: June 22, 1992
; APPLICATION NUMBER: 07/806,771
; FILING DATE: December 6, 1991
; APPLICATION NUMBER: 07/177,506
; FILING DATE: April 4, 1988
; APPLICATION NUMBER: 07/062,925
; FILING DATE: June 16, 1987
; ATTORNEY/AGENT INFORMATION:
; NAME: Joseph R. Robinson
```

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; REGISTRATION NUMBER: 33,448
; REFERENCE/DOCKET NUMBER: 5986/13586-US6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 423
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: Genomic DNA
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: This sequence
; OTHER INFORMATION: corresponds to K-FGF-140 and can be
; OTHER INFORMATION: found on page 11, lines 39-47 and page
; OTHER INFORMATION: 12, lines 1-31, in the application, as
; OTHER INFORMATION: filed.
; PUBLICATION INFORMATION:
; AUTHORS:
; TITLE:
; JOURNAL:
; VOLUME:
; ISSUE:
; PAGES:
; DATE:
; DOCUMENT NUMBER:
; FILING DATE:
; PUBLICATION DATE:
; RELEVANT RESIDUES IN SEQ ID NO: 1-423
US-08-478-485-5

Query Match 3.2%; Score 68.6; DB 2; Length 423;
Best Local Similarity 52.2%; Pred. No. 6.3e-08;
Matches 177; Conservative 0; Mismatches 159; Indels 3; Gaps 1;

QY 554 GGGCCCCACGTGACACTACGCTGGGGGACCCCATCGCTGCGGCACCTGTACACCTCC 613
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Db 1 GCGGCCGTCAGAGCGCGCGGACTACCTGCTGGGCATCAAGCGCTGCCGGCGCTC 60

QY 614 GGGCCCCACGGGCTCTCCAGCTGCTTCTCGGCATCCGCTGCGGCACCTGTGACTGC 673
   ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 61 TACTGCAACGTGGCATCGGCTTCCACCTCCAGCGGCTCCCGACGCGCCATCGCGGC 120

QY 674 GCGGGGGCCAGAGCGCGGCACAGTTCCTGCGAGATCAAGGCAGTCTGCTGCGGACCGTG 733
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Db 181 AGCATCTTCGCGGTGGCCAGCCGGTCTTCGTGGCCATGACGACGAGGCAAGCTCTAT 240

QY 794 GGGCTGCTTCAGTACTCGGAGGAAGACTGTGCTTTTCAGGAGGAGATCCGCCACAGATGC 853
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Db 241 GGCTCG--CCCTTCTTCCCGATGAGTGACGTCCTCAAGGAGATTCTCTCTCCCAACAAC 297

QY 854 TACAATGTGTACGATCCGAGAACGACCGCTCCCGGTC 892
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RESULT 10
US-08-478-486F-2
; Sequence 2, Application US/08478486F
; Patent No. 6432702
; GENERAL INFORMATION:
; APPLICANT: CLAUDIO BASILICO
; APPLICANT: DANIELA TALARICO
; TITLE OF INVENTION: MAMMALIAN GROWTH FACTOR
```


;
; FILING DATE: 435
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CANTRELL, PAUL R.
; REGISTRATION NUMBER: 36,470
; REFERENCE/DOCKET NUMBER: P9113
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 317-276-3885
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4437 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 350..14002
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 14046..20036
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 20110..31284
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 31329..36071
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 36155..41830
; US-08-804-198-1

Query Match 2.9%; Score 61.8; DB 2: Length 44377;
Best Local Similarity 47.5%; Pred. No. 2.8e-05;
Matches 183; Conservative 0; Mismatches 202; Indels 0; Gaps 0;
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QY 463 CATCGAGCGGGTGTGTGTGTGTCACGTATGATCTGCGCGCGCTCTGCTGGCGCT 522
Db 27594 GCGCTGTGCGCGCGCGCTTTCGCGACCTGGCGCTGTGGCGCGCGCGCGCGG 27653
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QY 583 CCCATCGCGCTGCGCGACCTGTACACTCGCGCGCGCGCGCGCTCTCCAGCTGCTTCT 642
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QY 643 GCGCATCGCTGCGCGCGCGCTGCGGACTGCGCGCGCGCGCGCGCGCGCGCGCGCTT 702
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QY 763 CCTGTGATGGCG 787
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RESULT 14
US-09-026-958-1
; Sequence 1, Application US/09026958
; Patent No. 6150098
; GENERAL INFORMATION:
; APPLICANT: Zhang, Ke
; APPLICANT: Pacifci, Robert
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR IDENTIFYING

;
; TITLE OF INVENTION: NOVEL SECRETED MAMMALIAN POLYPEPTIDES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Inc.
; STREET: One Angen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/026,958
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-522
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1656 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 38..643
; US-09-026-958-1

Query Match 2.6%; Score 56.2; DB 3: Length 1656;
Best Local Similarity 49.0%; Pred. No. 0.00015;
Matches 179; Conservative 0; Mismatches 183; Indels 3; Gaps 1;
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Db 301 GCGATTCACCTGTCAGGCTGCTGCGCGAGCGCGCATCGCGCGCTGTGCGCGGAGACGAG 360
QY 691 GCACAGTTTGTGGAGATCAAGGAGTCCGCTCTGCGGACCGTGGCCATCAAGGCTGCA 750
Db 361 GCACAGCTTCTGAGCTCTCTCGGTGACGCGGGGTGTGTGAGCATCTTCGAGTGGC 420
QY 751 CAGCTGCGGTACCTCTGTCATGGCGCGCGAGCGGCAAGATGCGAGGGCTGCTTCACTATC 810
Db 421 CAGCGGTCTCTGCTGGCCATGACGACGAGGGCAAGCTCTTCGGTGTGCTT---TTCTT 477
QY 811 GGAGAAGACTGTCTTTCGAGGAGGAGATCGGCCACATGGCTACATGTGTACCGATC 870
Db 478 TACGCGAGGTGTAATTTTCAAGAAATAC1TTCGCCCAACACTACAATGTCTAGGAGTC 537
QY 871 CGAGAAGCACCGCTCCCGGTCTCCCTGAGCAGTGCCCAAGACAGCGGCGAGCTGTATCAAGAA 930
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QY 931 CAGAG 935
Db 598 CCGAG 602

RESULT 15
US-08-809-286B-1
; Sequence 1, Application US/08809286B
; Patent No. 6011144
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Process for manufacturing polyhydroxylic

GenCore version 5.1.4.p5_4578
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OM nucleic - nucleic search, using sw model

Run on: May 11, 2003, 02:19:58 ; Search time 289 Seconds
(without alignments)
9189.136 Million cell updates/sec

Title: US-09-924-647-1
Perfect score: 2137
Sequence: 1 gctccagccaagaacctcg.....ttaaatggagtttttgt 2137

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 783854 seqs, 621352466 residues
Total number of hits satisfying chosen parameters: 1567708

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
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- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
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2	2137	100.0	2137	9	US-09-905-291A-58
3	2137	100.0	2137	9	US-10-066-500-85
4	2137	100.0	2137	9	US-09-902-853-58
5	2137	100.0	2137	9	US-09-907-824-58
6	2137	100.0	2137	9	US-09-907-841-58
7	2137	100.0	2137	9	US-09-904-011-58
8	2137	100.0	2137	9	US-09-906-742-58
9	2137	100.0	2137	9	US-09-906-838-58
10	2137	100.0	2137	9	US-09-907-613-58
11	2137	100.0	2137	9	US-09-907-942-58
12	2137	100.0	2137	9	US-10-002-796-85
13	2137	100.0	2137	9	US-10-066-273-85
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15	2137	100.0	2137	9	US-09-904-820-58
16	2137	100.0	2137	9	US-09-904-859-58
17	2137	100.0	2137	9	US-09-909-204-58
18	2137	100.0	2137	9	US-09-904-786-58
19	2137	100.0	2137	9	US-09-906-646-58

20	2137	100.0	2137	9	US-09-906-700-58	Sequence 58, Appl
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22	2137	100.0	2137	9	US-09-902-903-58	Sequence 58, Appl
23	2137	100.0	2137	9	US-09-903-749A-58	Sequence 58, Appl
24	2137	100.0	2137	9	US-09-903-786-58	Sequence 85, Appl
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26	2137	100.0	2137	9	US-10-066-211-85	Sequence 58, Appl
27	2137	100.0	2137	9	US-09-902-736-58	Sequence 58, Appl
28	2137	100.0	2137	9	US-09-904-116-58	Sequence 58, Appl
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43	2137	100.0	2137	9	US-09-905-075-58	Sequence 58, Appl
44	2137	100.0	2137	9	US-09-902-634-58	Sequence 58, Appl
45	2137	100.0	2137	9	US-09-902-713-58	Sequence 58, Appl

ALIGNMENTS

RESULT 1
US-09-924-647-1
Sequence 1, Application US/09924647
Patent No. US20020155543A1
GENERAL INFORMATION:
APPLICANT: Adams, Sean
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L
APPLICANT: Stewart, Timothy A.
APPLICANT: Tomlinson, Elizabeth
TITLE OF INVENTION: FIBROBLAST GROWTH FACTOR-19 (FGF-19) NUCLEIC ACIDS AND POLYPEPTIDES AND METHODS FOR THE TREATMENT OF OBESITY
TITLE OF INVENTION: AND RELATED DISORDERS
FILE REFERENCE: P1219P3
CURRENT APPLICATION NUMBER: US/09/924,647
CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: US 60/066,840
PRIOR FILING DATE: 1997-11-25
PRIOR APPLICATION NUMBER: US 09/767,609
PRIOR FILING DATE: 2001-01-22
PRIOR APPLICATION NUMBER: US 09/158,342
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: PCT/US98/25190
PRIOR FILING DATE: 1998-11-25
PRIOR APPLICATION NUMBER: US 09/522,342
PRIOR FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: US 09/284,663
PRIOR FILING DATE: 1999-04-15
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 20
SEQ ID NO 1
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo sapiens

us-09-924-647-1

Query Match 100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy	61	CGCTAAGCAGAGGCTCTCTCCCGCAGATCCGAACGGCTGGGCGGGTCAACCCGGCT	120
Db	61	CGCTAAGCAGAGGCTCTCTCCCGCAGATCCGAACGGCTGGGCGGGTCAACCCGGCT	120
Qy	121	GGGACAAAGAGCCGCCCTGCTGCCCCGGGGAGGGGCTGGGGCTGGGGCCGG	180
Db	121	GGGACAAAGAGCCGCCCTGCTGCCCCGGGGAGGGGCTGGGGCTGGGGCCGG	180
Qy	181	AGGCGGGTGTGAGTGGGTGTGCGGGGGGGGGAGGCTTGATGCAATCCGATAAGAAA	240
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Qy	241	TGCTCGGGTGTCTTGGGACACTACCCGCTGGGCGCCGTAAGGCGCTACTATAGGCTGC	300
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Qy	301	CGGCGCGAGCGCGCGCGCTCAGAGCAGAGCGCTGCCAGGATCAGGCGCACGA	360
Db	301	CGGCGCGAGCGCGCGCGCTCAGAGCAGAGCGCTGCCAGGATCAGGCGCACGA	360
Qy	361	CCATCCCAACCCGGCACTCAGCGCCGCGAGCGATCCCGGTCGCGCCGAGCGCTCCCG	420
Db	361	CCATCCCAACCCGGCACTCAGCGCCGCGAGCGATCCCGGTCGCGCCGAGCGCTCCCG	420
Qy	421	ACCCCAATCGCGGAGCTGCGCGCAGAGCCCGAGGAGTGCATGCGGAGCGGGTGT	480
Db	421	ACCCCAATCGCGGAGCTGCGCGCAGAGCCCGAGGAGTGCATGCGGAGCGGGTGT	480
Qy	481	GGTGGTCCAGTATGAGTCTGCGCGGCTCTGCTGGCGGTGGCGGGGCGCCCTCGC	540
Db	481	GGTGGTCCAGTATGAGTCTGCGCGGCTCTGCTGGCGGTGGCGGGGCGCCCTCGC	540
Qy	541	CTTCTCGAGCGGGGCGCCAGCTGACGCTGCGGCGACCCCATCCGCTGCGGCA	600
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Qy	601	CCTGTACACCTCGCGGCCCGCAGCGGCTCTCCAGTGTCTCTGCGCATCGCTGCGACGG	660
Db	601	CCTGTACACCTCGCGGCCCGCAGCGGCTCTCCAGTGTCTCTGCGCATCGCTGCGACGG	660
Qy	661	CGTGTGAGTGGCGGGGCGCAGAGCGGCGACAGTTTGTGCGAGATCAAGGAGTCGC	720
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Qy	781	CGGCAAGATGAGGGCTGCTTCACTACGAGGAAGACTGTGCTTTCGAGGAGGAGAT	840
Db	781	CGGCAAGATGAGGGCTGCTTCACTACGAGGAAGACTGTGCTTTCGAGGAGGAGAT	840
Qy	841	CGGCGAGATGGCTACAAATGTACCGATCCGAGAGACCGGCTCCCGGTCTCCCTGAG	900
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Qy	1141	TGCTGCCAGGGGTGTGTACCTGCAGCTGGGGAGCTGCTTCTACAAGAACAGTCTCTG	1200
Db	1141	TGCTGCCAGGGGTGTGTACCTGCAGCTGGGGAGCTGCTTCTACAAGAACAGTCTCTG	1200
Qy	1201	AGTCCAGGTTCTGTATTAGCTTTTAGGAAGAACATCTAGAAGTTGTACATATTACAGT	1260
Db	1201	AGTCCAGGTTCTGTATTAGCTTTTAGGAAGAACATCTAGAAGTTGTACATATTACAGT	1260
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Db	1321	TAGCTTGCAGCTGTGCTGCTGGGCGCCCATCTCTGCTCCCTCGAGGTTGCTGGACAAGCT	1380
Qy	1381	GCTGCACTGTCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACCTCACTTCTTTTGA	1440
Db	1381	GCTGCACTGTCTCAGTTCTGCTTGAATACCTCCATCGATGGGAACCTCACTTCTTTTGA	1440
Qy	1441	AAAATCTTATGCAAGCTGAAATTTCTAAATTTTCTCATCACTTCCCGCAGGAGCAGC	1500
Db	1441	AAAATCTTATGCAAGCTGAAATTTCTAAATTTTCTCATCACTTCCCGCAGGAGCAGC	1500
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Db	1501	CAGAAGACAGGCACTAGTTTAAATTTTTCAGGAACAGGTGATCCACTCTGTAACAGCAGC	1560
Qy	1561	TAAATTTCACTAACCCCATGTGGGAATTGATATATCTACTTCTCCAGGGACCATTTG	1620
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Qy	1621	CCCTTCCCAATCCCTCCAGGCGCAGAACTGACGAGGAGGATGATCCACTCTGTAACAGCAGC	1680
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Db	1681	GGAGTAGGGGAAGCTGGAGCCCACTCCAGCCCTGGGACAACCTTGAGAAATTTCCCGCTGA	1740
Qy	1741	GGCCAGTTCTGTCATGATGCTGCTTGAGAAATAACTTGTCTGCTCCCGGTGTCACTGCTT	1800
Db	1741	GGCCAGTTCTGTCATGATGCTGCTTGAGAAATAACTTGTCTGCTCCCGGTGTCACTGCTT	1800
Qy	1801	CCATCTCCAGCCCAAGCCCTCTGCCACCTCAGATGCTCCCATGATTTGGGGCTT	1860
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Qy	1861	CCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTTGTTCAAAATCAGGAAAGAAAG	1920
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Qy	1921	ATTGGAAGCCCCAAGTCTTGTCAATAACTTGTGTGGAAGCAGCGGGGAGACCTA	1980
Db	1921	ATTGGAAGCCCCAAGTCTTGTCAATAACTTGTGTGGAAGCAGCGGGGAGACCTA	1980
Qy	1981	GAACCTTTTCCAGCAGCTTTGGTTTCCAACTGATATTTATGAGTAATTTATTTTCATA	2040
Db	1981	GAACCTTTTCCAGCAGCTTTGGTTTCCAACTGATATTTATGAGTAATTTATTTTCATA	2040
Qy	2041	TGTACATCTCTTATTTCTTACATTTATTTATGCCCCCAATTTATTTATTTATTTAAGT	2100
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QY 2101 GAGGTTGTTTGTATATATAAATGAGTTTGTCT 2137
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RESULT 2

US-09-905-291A-58
; Sequence 58, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905.291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-291A-58

Query Match 100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
US-10-066-500-85
; Sequence 85, Application US/10066500
; Patent No. US20020177165A1
; GENERAL INFORMATION:
; APPLICANT: Avi J. Ashkenazi
; APPLICANT: Kevin P. Baker
; APPLICANT: David A. Botstein
; APPLICANT: Luc Desnoyers
; APPLICANT: Dan L. Eaton
; APPLICANT: Napoleone Ferrara
; APPLICANT: Sherman Fong
; APPLICANT: Wei-Qiang Gao
; APPLICANT: Hanspeter Gerber
; APPLICANT: Mary E. Gerritsen
; APPLICANT: Audrey Goddard
; APPLICANT: Paul J. Godowski
; APPLICANT: Austin L. Gurney
; APPLICANT: Ivar J. Kljavin
; APPLICANT: Jennie P. Napier
; APPLICANT: Mary A. Napier
; APPLICANT: James Pan
; APPLICANT: Nicholas F. Paoni
; APPLICANT: Margaret Ann Roy
; APPLICANT: Timothy A. Stewart
; APPLICANT: Daniel Tumas
; APPLICANT: Colin K. Watanabe
; APPLICANT: P. Mickey Williams
; APPLICANT: William I. Wood
; APPLICANT: Zemin Zang
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3130RIC7
; CURRENT APPLICATION NUMBER: US/10/066,500
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 10/002,796
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/056974
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; PRIOR APPLICATION NUMBER: 60/059115
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; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547

Query Match

Best Local Similarity 100.0%; Score 2137; DB 9; Length 2137;

Matches 2137; Conservative 0; Mismatches 0; Indels 0; Caps 0;

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Db 2101 GAGGTTGTTTCTATATTAATAATGGAGTTTGTGT 2137

Sequence 58, Application US/09902853
Publication No. US20020192659A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,853
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: US/09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 58
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo Sapien
US-09-902-853-58

Query Match		100.0%	Score 2137;	DB 9;	Length 2,137;
Best Local Similarity		100.0%;	Pred. No. 0;		
Matches 2137;	Conservative	0;	Mismatches	0;	Indels
				0;	Gaps
QY	1	GCTCCAGCAAGAACCTCGGGCCCGCTGGCGGTGGGAGGAGTTC	CCGCAAAACCGGC	60	
DB	1	GCTCCAGCAAGAACCTCGGGCCCGCTGGCGGTGGGAGGAGTTC	CCGCAAAACCGGC	60	
QY	61	CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCCAACGGCTGGCGGGGTCA	CCGCGCT	120	
DB	61	CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCCAACGGCTGGCGGGGTCA	CCGCGCT	120	
QY	121	GGCACAAAGAACCGCCCGCTTGCCTGGCCGGCCCGGGAGGGGCTGGGGCTGGAGCCGG	180		
DB	121	GGCACAAAGAACCGCCCGCTTGCCTGGCCGGCCCGGGAGGGGCTGGGGCTGGAGCCGG	180		
QY	181	AGCGGGGTGTGAGTGGGTGTGTGCGGGGGGGCGAGGCTTTGATGCAATCCCGATAAGAAA	240		
DB	181	AGCGGGGTGTGAGTGGGTGTGTGCGGGGGGGCGAGGCTTTGATGCAATCCCGATAAGAAA	240		
QY	241	TGCTCGGGTCTCTTGGGCACCTACCCGTGGGGCCCGTAAGCGCTACTATATAAGGCTGC	300		
DB	241	TGCTCGGGTCTCTTGGGCACCTACCCGTGGGGCCCGTAAGCGCTACTATATAAGGCTGC	300		
QY	301	CGGCCCGAGCCCGCCGCGCTCAGAGCAGGAGCGCTTGCCTCCAGGATCTAGAGCCACGA	360		
DB	301	CGGCCCGAGCCCGCCGCGCTCAGAGCAGGAGCGCTTGCCTCCAGGATCTAGAGCCACGA	360		
QY	361	CATCCCAACCGGGCACTACAGCCCGCAGCGCATCCCGTCCGCCCCCAAGCTTCCCGC	420		
DB	361	CATCCCAACCGGGCACTACAGCCCGCAGCGCATCCCGTCCGCCCCCAAGCTTCCCGC	420		
QY	421	ACCCCATCGCGAGCTGCGCGCAGAGCCCGCAGGAGTGCATCGCGAGCGGGTGTGT	480		
DB	421	ACCCCATCGCGAGCTGCGCGCAGAGCCCGCAGGAGTGCATCGCGAGCGGGTGTGT	480		
QY	481	GGTGTCCAGTATGGATCCCTGGCCGGCCCTTCTGGCTGGCGTGGCGGGGCCCGCTCGC	540		
DB	481	GGTGTCCAGTATGGATCCCTGGCCGGCCCTTCTGGCTGGCGTGGCGGGGCCCGCTCGC	540		
QY	541	CTTCTCGGAGCGGGGGCCCGCTGCACTACCGCTGGGGCGACCCCGCTGCGGCA	600		
DB	541	CTTCTCGGAGCGGGGGCCCGCTGCACTACCGCTGGGGCGACCCCGCTGCGGCA	600		
QY	601	CTGTACACCTCGCGCCCGCCACCGGCTCTCCAGCTGCTTCTGCGCATCCGTCGAGCGG	660		
DB	601	CTGTACACCTCGCGCCCGCCACCGGCTCTCCAGCTGCTTCTGCGCATCCGTCGAGCGG	660		
QY	661	CGTCTGGACTGCGCGCGGGCCAGAGCGCGCACAGCTTCTGCGAGATCAAGGTAJTCGC	720		
DB	661	CGTCTGGACTGCGCGCGGGCCAGAGCGCGCACAGCTTCTGCGAGATCAAGGTAJTCGC	720		
QY	721	TCGCGGACCGTGGCCATCAAGGGCTGACAGCGTCCGGTACCTCTGCAATGCGCCGA	780		
DB	721	TCGCGGACCGTGGCCATCAAGGGCTGACAGCGTCCGGTACCTCTGCAATGCGCCGA	780		
QY	781	CGCAAGATGCAAGGGCTGCTTCACTACTCGAGGAAGACTGTGCTTTCCAGAGAGAT	840		
DB	781	CGCAAGATGCAAGGGCTGCTTCACTACTCGAGGAAGACTGTGCTTTCCAGAGAGAT	840		
QY	841	CGCCCGCAGATGCTACAATGTGTACCGATCCGAGAGCAGCGCTCCCGGTCTTCCCTCCT	900		
DB	841	CGCCCGCAGATGCTACAATGTGTACCGATCCGAGAGCAGCGCTCCCGGTCTTCCCTCCT	900		
QY	901	CAGTGCACACAGCGGCTGTACAGAACACAGAGCTTCTTCCACTCTCTATTTCTCT	960		
DB	901	CAGTGCACACAGCGGCTGTACAGAACACAGAGCTTCTTCCACTCTCTATTTCTCT	960		
QY	961	GCCCATGCTGCCCATGCTCCCGAGGAGCTGAGGACCTCAGGGGCTTGAATCTGA	1020		
DB	961	GCCCATGCTGCCCATGCTCCCGAGGAGCTGAGGACCTCAGGGGCTTGAATCTGA	1020		

QY 1021 CATGTTCTCTTCGCGCCCTGGAGACCGCAGCATGGACCCATTGGGCTTGTCCACGGACT 1080
Db 1021 CATGTTCTCTTCGCGCCCTGGAGACCGCAGCATGGACCCATTGGGCTTGTCCACGGACT 1080
QY 1081 GGAGGCGGTGAGGAGTCCAGACTTTGAGAAGTAAGTGAAGACCATGCGCGGCGCTTTCAC 1140
Db 1081 GGAGGCGGTGAGGAGTCCAGACTTTGAGAAGTAAGTGAAGACCATGCGCGGCGCTTTCAC 1140
QY 1141 TGTGCGCAGGGGCTGTGGTACCTGCAGCGTGGGGAGCGTGTCTTACAAGAACAGTCCGT 1200
Db 1141 TGTGCGCAGGGGCTGTGGTACCTGCAGCGTGGGGAGCGTGTCTTACAAGAACAGTCCGT 1200
QY 1201 AGTCCACGTTCTCTTTAGCTTTAGAGAACACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCACGTTCTCTTTAGCTTTAGAGAACACATCTAGAAGTTGTACATATTCAGAGTTT 1260
QY 1261 TCCATTGGCAGTGCAGTTTCTAGCCAAATAGACTTGTCTGATCATATAACATGTAAGCCTG 1320
Db 1261 TCCATTGGCAGTGCAGTTTCTAGCCAAATAGACTTGTCTGATCATATAACATGTAAGCCTG 1320
QY 1321 TAGCTTGCCAGCTGCTGCCCTGGGCCCCCAATCTGCTCCCTCGAGGTTGTCTGGACAAGCT 1380
Db 1321 TAGCTTGCCAGCTGCTGCCCTGGGCCCCCAATCTGCTCCCTCGAGGTTGTCTGGACAAGCT 1380
QY 1381 GCTGCAGTGTCTCAGTCTGCTGCTGAATACCTCCATCGATGGGGAACATCTTCCCTTGGGA 1440
Db 1381 GCTGCAGTGTCTCAGTCTGCTGCTGAATACCTCCATCGATGGGGAACATCTTCCCTTGGGA 1440
QY 1441 AAAATTTCTATGTCAAGCTGAAATTTCTTAATTTTTTCTCATCACTTCCCCAGGAGCAGC 1500
Db 1441 AAAATTTCTATGTCAAGCTGAAATTTCTTAATTTTTTCTCATCACTTCCCCAGGAGCAGC 1500
QY 1501 CAGAAGACAGCAGTGTGTTTAAATTTTCAAGAACAGGTGATCCACTCTGTAAGAACAGCAGG 1560
Db 1501 CAGAAGACAGCAGTGTGTTTAAATTTTCAAGAACAGGTGATCCACTCTGTAAGAACAGCAGG 1560
QY 1561 TAAATTTTCACTCAACCCCATGCGGAATGTATCTATATCTACTTCTACCTCCAGGGACCATTTG 1620
Db 1561 TAAATTTTCACTCAACCCCATGCGGAATGTATCTATATCTACTTCTACCTCCAGGGACCATTTG 1620
QY 1621 CCCCTCCCAATCCCTCCAGGCCAGAACTGACTGGAGCAGCATGGCCACAGGCTTCA 1680
Db 1621 CCCCTCCCAATCCCTCCAGGCCAGAACTGACTGGAGCAGCATGGCCACAGGCTTCA 1680
QY 1681 GGAGTAGGGAAGCCTGGAGCCCCACCTCCAGCCCTGGGACAACCTTGAGAATTTCCCCCTGA 1740
Db 1681 GGAGTAGGGAAGCCTGGAGCCCCACCTCCAGCCCTGGGACAACCTTGAGAATTTCCCCCTGA 1740
QY 1741 GGCCAGTTCTGTATGATGCTGTCTGAGAACTTGTCTGCCCGGTGTCACTTGCCTT 1800
Db 1741 GGCCAGTTCTGTATGATGCTGTCTGAGAACTTGTCTGCCCGGTGTCACTTGCCTT 1800
QY 1801 CCATCTCCAGCCCCCAGCCCTCTGCCACCTCACATGCTCCCATGGATGGGGCCCT 1860
Db 1801 CCATCTCCAGCCCCCAGCCCTCTGCCACCTCACATGCTCCCATGGATGGGGCCCT 1860
QY 1861 CCCAGGCCCCCAGCCTTATGTCAACCTGCACTTCTTGTTCAAAAATCAGGAAAAAG 1920
Db 1861 CCCAGGCCCCCAGCCTTATGTCAACCTGCACTTCTTGTTCAAAAATCAGGAAAAAG 1920
QY 1921 ATTTGAAGACCCCAAGTCTGTCAATAACTTGTCTGTGGAAGCAGCGGGGAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGTCTGTCAATAACTTGTCTGTGGAAGCAGCGGGGAGACCTA 1980
QY 1981 GAACCCCTTTCCCGAGCAGCTTGGTTTTCCCAACATGATATTTATGAGTAATTTATTTTGATA 2040
Db 1981 GAACCCCTTTCCCGAGCAGCTTGGTTTTCCCAACATGATATTTATGAGTAATTTATTTTGATA 2040
QY 2041 TGTACATCTCTTATTTTCTTACATATTTATGCCCCCAAAATATATTTATGTATGTAAAT 2100
Db 2041 TGTACATCTCTTATTTTCTTACATATTTATGCCCCCAAAATATATTTATGTATGTAAAT 2100
QY 2101 GAGGTTGTTTTGTATATTAATAAGGAGTTGTTGT 2137

Db 2101 GAGGTTGTTTTGTATATTAATAAGGAGTTGTTGT 2137

RESULT 5

US-09-907-824-58

: Sequence 58, Application US/09907824

: Publication No. US20020197671A1

: GENERAL INFORMATION:

: APPLICANT: Genentech, Inc.

: APPLICANT: Ashkenazi, Avi

: APPLICANT: Botstein, David

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: APPLICANT: Eaton, Dan L.

: APPLICANT: Ferrara, Napoleone

: APPLICANT: Filvaroff, Ellen

: APPLICANT: Fong, Sherman

: APPLICANT: Gao, Wei-Qiang

: APPLICANT: Gerber, Hanspeter

: APPLICANT: Gerritsen, Mary E.

: APPLICANT: Goddard, A.

: APPLICANT: Godowski, Paul J.

: APPLICANT: Grimaldi, Christopher J.

: APPLICANT: Gurney, Austin L.

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: APPLICANT: Paoni, Nicholas F.

: APPLICANT: Roy, Margaret Ann

: APPLICANT: Stewart, Timothy A.

: APPLICANT: Tumas, Daniel

: APPLICANT: Williams, P. Mickey

: APPLICANT: Wood, William, I.

: TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

: FILE REFERENCE: 10466-14

: CURRENT APPLICATION NUMBER: US/09/907,824

: PRIOR FILING DATE: 2001-07-17

: PRIOR APPLICATION NUMBER: 09/665,350

: PRIOR FILING DATE: 2000-09-18

: PRIOR APPLICATION NUMBER: PCT/US00/04414

: PRIOR FILING DATE: 2000-02-22

: PRIOR APPLICATION NUMBER: US 60/143,048

: PRIOR FILING DATE: 1999-07-07

: PRIOR APPLICATION NUMBER: US 60/145,698

: PRIOR FILING DATE: 1999-07-26

: PRIOR APPLICATION NUMBER: US 60/146,222

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: PRIOR APPLICATION NUMBER: PCT/US99/20594

: PRIOR FILING DATE: 1999-09-08

: PRIOR APPLICATION NUMBER: PCT/US99/20944

: PRIOR FILING DATE: 1999-09-13

: PRIOR APPLICATION NUMBER: PCT/US99/21090

: PRIOR FILING DATE: 1999-09-15

: PRIOR APPLICATION NUMBER: PCT/US99/21547

: PRIOR FILING DATE: 1999-09-15

: PRIOR APPLICATION NUMBER: PCT/US99/23089

: PRIOR FILING DATE: 1999-10-05

: PRIOR APPLICATION NUMBER: PCT/US99/28214

: PRIOR FILING DATE: 1999-11-29

: PRIOR APPLICATION NUMBER: PCT/US99/28313

: PRIOR FILING DATE: 1999-11-30

: PRIOR APPLICATION NUMBER: PCT/US99/28564

: PRIOR FILING DATE: 1999-12-02

: PRIOR APPLICATION NUMBER: PCT/US99/28565

: PRIOR FILING DATE: 1999-12-02

: PRIOR APPLICATION NUMBER: PCT/US99/30095

: PRIOR FILING DATE: 1999-12-16

: PRIOR APPLICATION NUMBER: PCT/US99/30911

: PRIOR FILING DATE: 1999-12-20

: PRIOR APPLICATION NUMBER: PCT/US99/30999

: PRIOR FILING DATE: 1999-12-20

;; PRIORITY APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 58
;; LENGTH: 2137
;; TYPE: DNA
;; ORGANISM: Homo Sapien
US-09-907-824-58

Query Match 100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCAAGAACCTCGGGGCGCTGCGCGGTGGGAGAGTTCGCCGAAACCCGCG 60
DB 1 GCTCCAGCAAGAACCTCGGGGCGCTGCGCGGTGGGAGAGTTCGCCGAAACCCGCG 60

QY 61 CCTAAGCAGCGCTCTCTCCCGAGATCCGAGCGGCTGGGGGCTACCCGCGCT 120
DB 61 CGCTAAGCAGCGCTCTCTCTCCCGAGATCCGAGCGGCTGGGGGCTACCCGCGCT 120

QY 121 GGGACAAGAGCGCGCTGCTGCGCGGCGCGGGAGGGGCTGGGGCTGGGGCGCG 180
DB 121 GGGACAAGAGCGCGCTGCTGCGCGGCGCGGGAGGGGCTGGGGCTGGGGCGCG 180

QY 181 AGGCGGGTGTGAGTGGGTGTGTGCGGGGGCGGAGGCTTGATGCAATCCGATAAGAAA 240
DB 181 AGGCGGGTGTGAGTGGGTGTGTGCGGGGGCGGAGGCTTGATGCAATCCGATAAGAAA 240

QY 241 TCGTCGGGTGCTTGGGCACTTACCCGTGGGGCGCGTAAGGCGCTACTATATAAGGCTGC 300
DB 241 TCGTCGGGTGCTTGGGCACTTACCCGTGGGGCGCGTAAGGCGCTACTATATAAGGCTGC 300

QY 301 CGGCGCGAGCGCGCGCGCTCAGAGCAGAGCGCTGCTCCAGGATCTAGGCGCACGA 360
DB 301 CGGCGCGAGCGCGCGCGCTCAGAGCAGAGCGCTGCTCCAGGATCTAGGCGCACGA 360

QY 361 CCATCCCAACCGGCACTCAGAGCCCGCAGCGCATCCGGTGGCGGCCAAGCTCCCGC 420
DB 361 CCATCCCAACCGGCACTCAGAGCCCGCAGCGCATCCGGTGGCGGCCAAGCTCCCGC 420

QY 421 ACCCCCATCGCGGAGCTCGCGCGAGAGCCCGAGGAGTGCATCGGAGTGGTGTGT 480
DB 421 ACCCCCATCGCGGAGCTCGCGCGAGAGCCCGAGGAGTGCATCGGAGTGGTGTGTGT 480

QY 481 GGTGTGCCAGTATGGATCTGGCGCGCTCTGGCTGGCGGTGGCGGGGAGTCCCGC 540
DB 481 GGTGTGCCAGTATGGATCTGGCGCGCTCTGGCTGGCGGTGGCGGGGAGTCCCGC 540

QY 541 CTTCTCGGACGGGGGCGCCACGTGACACTACGGCTGGGCGACCCCATCCGCTCGGCA 600
DB 541 CTTCTCGGACGGGGGCGCCACGTGACACTACGGCTGGGCGACCCCATCCGCTCGGCA 600

QY 601 CTTGTACACTCGCGCGCCCGCGGCTCTCCAGCTGCTCTCTGGGATCCGTGGCGAGG 660
DB 601 CTTGTACACTCGCGCGCCCGCGGCTCTCCAGCTGCTCTCTGGGATCCGTGGCGAGG 660

QY 661 CGTGTGGACTCGCGCGGGGCGCAGAGCGGCACAGTTTGTCTGGAGTCAAGGCACTGC 720
DB 661 CGTGTGGACTCGCGCGGGGCGCAGAGCGGCACAGTTTGTCTGGAGTCAAGGCACTGC 720

QY 721 TCTGCGGACCGTGGCATATCAGGGGTGTCACAGCGTGGGATACCTCTGCTAGTGGCGCG 780
DB 721 TCTGCGGACCGTGGCATATCAGGGGTGTCACAGCGTGGGATACCTCTGCTAGTGGCGCG 780

QY 781 CGGCAAGATCGAGGGTCTTCACTACTCGAGAGAGACTGTGCTTTCGAGGAGAGAT 840
DB 781 CGGCAAGATCGAGGGTCTTCACTACTCGAGAGAGACTGTGCTTTCGAGGAGAGAT 840

QY 841 CGGCGCAGATGCTACATGTCTACCGATCCGAGAGCAGCCGCTCCGCTCTCCCTCAG 900
DB 841 CGGCGCAGATGCTACATGTCTACCGATCCGAGAGCAGCCGCTCCGCTCTCCCTCAG 900

QY 901 CAGTCCCAAAACAGCGGACGCTGTACAAGAACAGAGCGCTTCTTCCACTCTTCA,TCCT 960
DB 901 CAGTCCCAAAACAGCGGACGCTGTACAAGAACAGAGCGCTTCTTCCACTCTTCA,TCCT 960

QY 961 GCGCATGCTGCCCATGGTCCAGAGAGCGCTTCCAGGACCTCAGGGCCACTTGGAACTCA 1020
DB 961 GCGCATGCTGCCCATGGTCCAGAGAGCGCTTCCAGGACCTCAGGGCCACTTGGAACTCA 1020

QY 1021 CATGTTCTCTTCCGCGCTGGAGACCGACAGCATGGAACCATTTGGGCTTGTCAACGGACT 1080
DB 1021 CATGTTCTCTTCCGCGCTGGAGACCGACAGCATGGAACCATTTGGGCTTGTCAACGGACT 1080

QY 1081 GGAGCGCGTGAAGAGTCCAGCTTTGAGAAAGTAACCTGAGACCATGCGCGGCTCTTTCAC 1140
DB 1081 GGAGCGCGTGAAGAGTCCAGCTTTGAGAAAGTAACCTGAGACCATGCGCGGCTCTTTCAC 1140

QY 1141 TCGTCCGAGGGCTGTGTACCTGCGAGCGTGGGGACGTGCTTCTACAAGAACAGTCCCTG 1200
DB 1141 TCGTCCGAGGGCTGTGTACCTGCGAGCGTGGGGACGTGCTTCTACAAGAACAGTCCCTG 1200

QY 1201 AGTCCACGCTTCTGTTAGCTTTAGGAAGAAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
DB 1201 AGTCCACGCTTCTGTTAGCTTTAGGAAGAAACATCTAGAAGTTGTACATATTCAGAGTTT 1260

QY 1261 TCCATTTGGCAGTCCAGCTTTCTAGCCAAATAGACTTTGCTGATCATAAACATTTGAACCTG 1320
DB 1261 TCCATTTGGCAGTCCAGCTTTCTAGCCAAATAGACTTTGCTGATCATAAACATTTGAACCTG 1320

QY 1321 TAGCTTTGCCAGCTGCTGCTGGGCGCCCATCTGCTCCCTCGAGGTTCTTACAGAACT 1380
DB 1321 TAGCTTTGCCAGCTGCTGCTGGGCGCCCATCTGCTCCCTCGAGGTTCTTACAGAACT 1380

QY 1381 GCTGCACTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGGAACACTCACTTCTTGA 1440
DB 1381 GCTGCACTGCTCAGTTCTGCTTGAATACCTCCATCGATGGGGAACACTCACTTCTTGA 1440

QY 1441 AAAATTTCTATGTCAAGCTGAAATTTCTTAATTTTCTCATCACTTCCGAGAGCAGC 1500
DB 1441 AAAATTTCTATGTCAAGCTGAAATTTCTTAATTTTCTCATCACTTCCGAGAGCAGC 1500

QY 1501 CAGAAGACAGGAGTAGTTTAAATTTACAGAACAGGTGATCCACTCTGTAAATACAGAG 1560
DB 1501 CAGAAGACAGGAGTAGTTTAAATTTACAGAACAGGTGATCCACTCTGTAAATACAGAG 1560

QY 1561 TAAATTTCTACTCAACCCCATGTGGAAATGATCTATATCTTACTTCCAGAGAACTTTG 1620
DB 1561 TAAATTTCTACTCAACCCCATGTGGAAATGATCTATATCTTACTTCCAGAGAACTTTG 1620

QY 1621 CCGTTCCCAAAATCCCTCCAGGCGAGAACTGACTGGAGAGGATGCCGACAGTTCGA 1680
DB 1621 CCGTTCCCAAAATCCCTCCAGGCGAGAACTGACTGGAGAGGATGCCGACAGTTCGA 1680

QY 1681 GGAGTAGGGAAGCGCTGGAGCGCCCACTCCAGCGCTGGGCAACTTCCGCTCA 1740
DB 1681 GGAGTAGGGAAGCGCTGGAGCGCCCACTCCAGCGCTGGGCAACTTCCGCTCA 1740

QY 1741 GCGCACTTCTGTCTGATGCTGCTCTGAGAATAAATTTCTGCTCCGCTGCTCAACTGCTT 1800
DB 1741 GCGCACTTCTGTCTGATGCTGCTCTGAGAATAAATTTCTGCTCCGCTGCTCAACTGCTT 1800

QY 1801 CCATCTCCAGCGCCAGCGCGCTCTGCCACCTCAGATGCCCTCCCATGATTTGGGCGCT 1860
DB 1801 CCATCTCCAGCGCCAGCGCGCTCTGCCACCTCAGATGCCCTCCCATGATTTGGGCGCT 1860

QY 1861 CCCAGCGCCCGCCACTTATGTCAACCTGCACTTCTTGTTCAAAATTCAGAAAGAAAG 1920
DB 1861 CCCAGCGCCCGCCACTTATGTCAACCTGCACTTCTTGTTCAAAATTCAGAAAGAAAG 1920

QY 1921 ATTTGAAGACCCCAAGTCTTGTCAATAAATCTGCTGTGTGGAAGCAGCGGGGGAAGACTTA 1980
DB 1921 ATTTGAAGACCCCAAGTCTTGTCAATAAATCTGCTGTGTGGAAGCAGCGGGGGAAGACTTA 1980

QY 1981 GAACCTTTTCCCGCAGCAGCTTGGTTTTTCCAAATGATATTTATGAGTAATTTATTTGATA 2040

Db 1981 GAACCCCTTCCCGACACTTGGTTTCCCAACATGATATTTAAGASTAATTTATTTTGATA 2040
Qy 2041 TGTACATCTCTATTCTTACATTATTATGCCCCCAATTTATATTTATGTTATGTAAGT 2100
Db 2041 TGTACATCTCTATTCTTACATTATTATGCCCCCAATTTATATTTATGTTATGTAAGT 2100
Qy 2101 GAGTTTGTGTTTGTATATAAATGAGTTTGTGTTGT 2137
Db 2101 GAGTTTGTGTTTGTATATAAATGAGTTTGTGTTGT 2137

RESULT 6

US-09-907-841-58
; Sequence 58, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
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; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
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; PRIOR APPLICATION NUMBER: US 60/146,222
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; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-907-841-58
Query Match 100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCTCCCAAGCAAGCAACCTCGGCGCTGCGCGTGGGAGGAGTTCCCGAAACCCGGC 60
Db 1 GCTCCCAAGCAAGCAACCTCGGCGCTGCGCGTGGGAGGAGTTCCCGAAACCCGGC 60
Qy 61 CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCGAAACGGCTGGCGGGGTCAACCCGGCT 120
Db 61 CGCTAAGCGAGGCTCTCTCTCCCGCAGATCCGAAACGGCTGGCGGGGTCAACCCGGCT 120
Qy 121 GGGACAAAGAGCGCGCGCTGCTGCCCGCGCGGAGGGGCTGGGCTGGGGCGG 180
Db 121 GGGACAAAGAGCGCGCGCTGCTGCCCGCGCGGAGGGGCTGGGCTGGGGCGG 180
Qy 181 AGGCGGGGTGTGAGTGGGTGTGTGCCGGGGGGAGGCTTTGATGCAATCCGATAGAAA 240
Db 181 AGGCGGGGTGTGAGTGGGTGTGTGCCGGGGGGAGGCTTTGATGCAATCCGATAGAAA 240
Qy 241 TGCTCGGGTGTCTTGGCACCTACCCGTGGGCGCCGTAAGCGCTACTATATAGGCTGC 300
Db 241 TGCTCGGGTGTCTTGGGCACCTACCCGTGGGCGCCGTAAGCGCTACTATATAGGCTGC 300
Qy 301 CGGCGCGGAGCGCGCGCGCTCAGAGCAGGAGCGCTGCCAGGATCTAGGCCACGA 360
Db 301 CGGCGCGGAGCGCGCGCGCTCAGAGCAGGAGCGCTGCCAGGATCTAGGCCACGA 360
Qy 361 CCATCCCAACCCGGCACTACAGCCCGCAGCGATCCCGGTGCGGCCCGAGCTCCCGC 420
Db 361 CCATCCCAACCCGGCACTACAGCCCGCAGCGATCCCGGTGCGGCCCGAGCTCCCGC 420
Qy 421 ACCCCATCCCGAGCTGCGCGCAGAGCCCGAGGAGTGCCATGCGGACCGCTGTGT 480
Db 421 ACCCCATCCCGAGCTGCGCGCAGAGCCCGAGGAGTGCCATGCGGACCGCTGTGT 480
Qy 481 GGTGTCACAGTATGATCTTGGCGCGCTCTGCGTGGCGCGCGCGCGCGCGCTCGC 540
Db 481 GGTGTCACAGTATGATCTTGGCGCGCTCTGCGTGGCGCGCGCGCGCGCTCGC 540
Qy 541 CTCTCTGGAGCGCGCGCGCGCGCGCTGCGCTAGGCTGGGGGAGCCCATCTCGCTCGGGCA 600
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Db 601 CCTGTACACCTCGCGCGCGCGCGCGCTCTCCAGCTGCTTCTGCGCATCCGTGCCGACG 660
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Db 1081 GGAGCCGTGAGGAGTCCAGCTTTGAGAAGTAAGTACAGACCATCCCGGCTCTTCAC 1140
QY 1141 TGCTGCCAGGGCTGTGTACCTGCAGCTGGGGGACGTGCTTCTACAAGAACACGTCCTG 1200
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Db 1261 TCCATTGGCAGTGCCAGTTTCTAGCCAATAGACCTTGTCTGATCATAACTTGTAAAGCTTG 1320
QY 1321 TAGCTTGCCAGCTGCTGCCTGGGGCCCCATTTCTGCTCCCTCGAGGTTGCTGGACAAGCT 1380
Db 1321 TAGCTTGCCAGCTGCTGCCTGGGGCCCCATTTCTGCTCCCTCGAGGTTGCTGGACAAGCT 1380
QY 1381 GCTGCACGTCTCTCAGTTTCTGTTGAATACCTCCATCGATGGGGAACCTCACCTTCCTTTTGA 1440
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Db 1441 AAAATTTCTTATGTCAGCTGAAATTTCTTAATTTTTCAGGACAGTGTCCACTCTGTAACACAGCAG 1500
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QY 1561 TAAATTTCACTCAACCCCATGTGGGAATTTGATCTATCTCTACTTCCAGGACCATTTTG 1620
Db 1561 TAAATTTCACTCAACCCCATGTGGGAATTTGATCTATCTCTACTTCCAGGACCATTTTG 1620
QY 1621 CCCTTCCCAATTCCTCCAGCCAGAACTGACTGAGCAGGATGGCCACACAGGCTTCA 1680
Db 1621 CCCTTCCCAATTCCTCCAGCCAGAACTGACTGAGCAGGATGGCCACACAGGCTTCA 1680
QY 1681 GGAGTAGGGGAAGCCTGGAGCCCACTCCAGCCCTGGGACAACTTGAGAAATTCGCCCTGA 1740
Db 1681 GGAGTAGGGGAAGCCTGGAGCCCACTCCAGCCCTGGGACAACTTGAGAAATTCGCCCTGA 1740
QY 1741 GGCCAGTTCTGTGATGGATGTCCTGAGAAATAACTTTGCTGTCCCGGTGTCACTGCTT 1800
Db 1741 GGCCAGTTCTGTGATGGATGTCCTGAGAAATAACTTTGCTGTCCCGGTGTCACTGCTT 1800
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QY 2101 GAGGTTTGTGTATATTAATAATGAGTTTGTGTTGT 2137
Db 2101 GAGGTTTGTGTATATTAATAATGAGTTTGTGTTGT 2137
RESULT 7
US-09-904-011-58
; Sequence 58, Application US/09904011
; Publication No. US20030003530A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Acids Encoding and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,011
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999

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; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo Sapien
us-09-904-011-58

Query Match      100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCTCCACGCAAGAACCTCGGGCGCGTGCAGCGTGGGGAGAGTTCCTCCCAAAACCCGGC 60
Db 1 GCTCCAGCAAGAACCTCGGGCGCGTGCAGCGTGGGGAGAGTTCCTCCCAAAACCCGGC 60

Qy 61 CGCTAAGGAGGCGCTCTCTCCCGCAGATCCGAACGCGCTGGCGGGGTACCCCGGCT 120
Db 61 CGCTAAGGAGGCGCTCTCTCCCGCAGATCCGAACGCGCTGGCGGGGTACCCCGGCT 120

Qy 121 GGGACAAGAACCGCGCTCCCTGCCCGCGCGCGCGGGAGGGGCTGGGGCTGGGGCGG 180
Db 121 GGGACAAGAACCGCGCTCCCTGCCCGCGCGCGCGGGAGGGGCTGGGGCTGGGGCGG 180

Qy 181 AGGCGGGGTGTAGTGGGTGTGTGGGGGGCGGAGGCTTGATCAATCCCGATAAGAAA 240
Db 181 AGGCGGGGTGTAGTGGGTGTGTGGGGGGCGGAGGCTTGATCAATCCCGATAAGAAA 240

Qy 241 TGCTGGGTGTCTTGGGACCTACCGTGGGGCCCGTAAGCGCTACTATATAAGGCTGC 300
Db 241 TGCTGGGTGTCTTGGGACCTACCGTGGGGCCCGTAAGCGCTACTATATAAGGCTGC 300

Qy 301 CGGCGCGGAGCGCGCGCTCAGAGCAGGAGCGCTGCTGCCAGGATCTAGGCGCACGA 360
Db 301 CGGCGCGGAGCGCGCGCTCAGAGCAGGAGCGCTGCTGCCAGGATCTAGGCGCACGA 360

Qy 361 CCATCCCAACCGCGACTCAGACGCGCGCGAGCGATCCGGTCCCGCCAGCTCCCGC 420
Db 361 CCATCCCAACCGCGACTCAGACGCGCGCGAGCGATCCGGTCCCGCCAGCTCCCGC 420

Qy 421 ACCCCATCGCGAGCTGCGCCCGCAGAGCCCCAGGAGGTGCCATCGGAGCGGTGTGT 480
Db 421 ACCCCATCGCGAGCTGCGCCCGCAGAGCCCCAGGAGGTGCCATCGGAGCGGTGTGT 480

Qy 481 GGTGTCCACGTATGGATTCCTGGCGGGCTCTGGCTGGCGGTGGCGCGCGCCCTCGC 540
Db 481 GGTGTCCACGTATGGATTCCTGGCGGGCTCTGGCTGGCGGTGGCGCGCGCCCTCGC 540

Qy 541 CTTCTCGAGCGGGGCCCCACGTGCACTACGGCTGGGGGACCCCCATCCGCTCGCGCA 600
Db 541 CTTCTCGAGCGGGGCCCCACGTGCACTACGGCTGGGGGACCCCCATCCGCTCGCGCA 600

Qy 601 CCTGTACACTTCGGGCCCCACGGGCTCTCCAGCTGCTTCTGCGCATCCGTGCCGAGG 660
Db 601 CCTGTACACTTCGGGCCCCACGGGCTCTCCAGCTGCTTCTGCGCATCCGTGCCGAGG 660

Qy 661 CGTGTGACTGCGCGGGGCCAGAGCGCGCACAGTTTGTGCGAGATCAAGGCAAGTCGC 720
Db 661 CGTGTGACTGCGCGGGGCCAGAGCGCGCACAGTTTGTGCGAGATCAAGGCAAGTCGC 720

Qy 721 TCTCGGACCGTGGCCATCAAGGCGGTGCACAGCGTGGGCTACCTGCTGATGGGCGCGA 780
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Qy 781 CGGCAAGATCGAGGGGTGCTTCACTACTCGGAGGAGACTGTGCTTTCGAGGAGAGAT 840
Db 781 CGGCAAGATCGAGGGGTGCTTCACTACTCGGAGGAGACTGTGCTTTCGAGGAGAGAT 840

Qy 841 CCGGCCAGATGGCTACAAATGTACCGATCGGAGAACCGCGCTCCCGGTCTCCCTGAG 900
Db 841 CCGGCCAGATGGCTACAAATGTACCGATCGGAGAACCGCGCTCCCGGTCTCCCTGAG 900
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Qy 901 CAGTGCCAAACAGCGCAGCTGTACAAGAACAGAGGCTTTCTTCCACTCTCTCATTTCT 960
Db 901 CAGTGCCAAACAGCGCAGCTGTACAAGAACAGAGGCTTTCTTCCACTCTCTCATTTCT 960

Qy 961 GCCCATGCTGCCATGTGTCCAGGAGCGCTCAGGAGCGCTCAGGGGCCACTTGGAAATCTGA 1020
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Qy 1021 CATCTTCTTTCGCCCTCGGAGACCGACAGCATGACCCATTTGGCTTGTACCCGACT 1080
Db 1021 CATCTTCTTTCGCCCTCGGAGACCGACAGCATGACCCATTTGGCTTGTACCCGACT 1080

Qy 1081 GGAGGCGCTGAGGAGTCCCAGCTTTGAGAAGTAACAGAGCAATGCCGGGCTCTTTCAC 1140
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Qy 1201 AGTCCAGCTTCTGTAGCTTTAGGAAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCAGCTTCTGTAGCTTTAGGAAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260

Qy 1261 TCCATTGGCAGTGCAGTTTCTAGCCCAATAGACTTGTCTGATCAATAACATTTGAAGCTG 1320
Db 1261 TCCATTGGCAGTGCAGTTTCTAGCCCAATAGACTTGTCTGATCAATAACATTTGAAGCTG 1320

Qy 1321 TAGCTGCCAGCTGCTGCCTGGGCCCCCATTTCTGCTCCCTCGAGGTTGCTGGACAAGCT 1380
Db 1321 TAGCTGCCAGCTGCTGCCTGGGCCCCCATTTCTGCTCCCTCGAGGTTGCTGGACAAGCT 1380

Qy 1381 GCTCACTGCTCACTAGTTCTGCTTGAATACCTCCATCGATGGGAACTCACTTCTCTTGA 1440
Db 1381 GCTCACTGCTCACTAGTTCTGCTTGAATACCTCCATCGATGGGAACTCACTTCTCTTGA 1440

Qy 1441 AAAATTTCTATGTCAAGCTGAAATTTCTAATTTTCTCATCTTCCCTCCAGAGGAGC 1500
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Qy 1501 CAGAAAGACAGCAGTGTATTTTTCAGGAACAGGTGATCCACTCTGTAAACAGCAGG 1560
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Qy 1561 TAAATTTCACTCAACCCCATGTGGGAATTGATCTATATCTTACTTCCAGGACCATTTG 1620
Db 1561 TAAATTTCACTCAACCCCATGTGGGAATTGATCTATATCTTACTTCCAGGACCATTTG 1620

Qy 1621 CCCTTCCCAANTCCCTCAGGCCAGAACTGACTGGAGCGAGCATGGCCACCAGGCTTCA 1680
Db 1621 CCCTTCCCAANTCCCTCAGGCCAGAACTGACTGGAGCGAGCATGGCCACCAGGCTTCA 1680

Qy 1681 GGAGTAGGGAAGCGCTGGAGCCCCACCTCCAGCCTGGGACAACTTGAGAAATTCCTCCCTGA 1740
Db 1681 GGAGTAGGGAAGCGCTGGAGCCCCACCTCCAGCCTGGGACAACTTGAGAAATTCCTCCCTGA 1740

Qy 1741 GGCCAGTTCTGTCATGGATGCTGCTGAGAATAAATTTGCTGCCGCTGTCACTTGTCTT 1800
Db 1741 GGCCAGTTCTGTCATGGATGCTGCTGAGAATAAATTTGCTGCCGCTGTCACTTGTCTT 1800

Qy 1801 CCATCTCCAGCCCAACAGCCCTCTGCCAGCTCACATGCTTCCCATGGATTTGGGGCT 1860
Db 1801 CCATCTCCAGCCCAACAGCCCTCTGCCAGCTCACATGCTTCCCATGGATTTGGGGCT 1860

Qy 1861 CCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTTCTTCAAAATCAGGAAGAAAG 1920
Db 1861 CCCAGGCCCCCAGCTTATGTCAACCTGCACTTCTTCTTCAAAATCAGGAAGAAAG 1920

Qy 1921 ATTTGAAGACCCCAAGCTTTGTCAATTAATTTGCTGTGGAAGCAGCGGGGAGACCTA 1980
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QY 1981 GAACCCCTTCCCGCAGCACTGGTTTCCCAACATGATATTTATGAGTAATTTATTTGATA 2040
Db 1981 GAACCCCTTCCCGCAGCACTGGTTTCCCAACATGATATTTATGAGTAATTTATTTGATA 2040
QY 2041 TGTACATCTCTATTTTCTTACATTTATTTATGCCCCCAATTTATTTATGATGTAAGT 2100
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QY 2101 GAGGTTTGGTTTGTATATTTAAATGAGTTTGGTTTGT 2137
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RESULT 8
US-09-906-742-58
Sequence 58, Application US/09906742
Publication No. US20030023054A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,742
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
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PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564

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Db 121 GGGACAAGAACCGCGCGCTGCTGCGGGGGCGGGGGGTGGGGCTGGGGCGCGG 180
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Db 181 AGCGGGGTGTGAGTGGGTGTGTGCGGGGGGGGGGGGTGTGATGCAATCCCGATAGAA 240
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QY 541 CTTCTCGGAGCGGGCGCGCGCGCTGCGCTACCGCTGGGGGCGGCGGCGGCGGCGGCGG 600
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Db 661 CGTGTGAGCTGCGGGCGGGGGCGAGCGCGGCGAGTTTGTGTGGAGATCAAGGCGAGTGGC 720
QY 721 TCTGGGGACCGTGGGCGATCAAGGGCGTGCACGCGTGGCGTACCTCTGCTGATGAGCGCGA 780
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Query Match 100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 GCTCCAGCAAGAACCTCGGGCCGCTGCGGGTGGGAGGAGTTCCCGGAAAACGGGC 60
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Db 181 AGCGGGGTGTGAGTGGGTGTGTGCGGGGGGGGGGGGTGTGATGCAATCCCGATAGAA 240
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QY 421 ACCCCCATCGCGGAGCTGCGCGCGAGAGCGCCAGGAGGCTGCGATGCGGAGCGGCTGTGT 480
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QY 601 CCTGTACACCTCGGGCGCGCGCGCTTCCAGCTGCTTCCCTGGGATCGGCTGGGACGG 660
Db 601 CCTGTACACCTCGGGCGCGCGCGCTTCCAGCTGCTTCCCTGGGATCGGCTGGGACGG 660
QY 661 CGTGTGAGCTGCGGGCGGGGGCGAGCGCGGCGAGTTTGTGGAGATCAAGGCGAGTGGC 720
Db 661 CGTGTGAGCTGCGGGCGGGGGCGAGCGCGGCGAGTTTGTGTGGAGATCAAGGCGAGTGGC 720
QY 721 TCTGGGGACCGTGGGCGATCAAGGGCGTGCACGCGTGGCGTACCTCTGCTGATGAGCGCGA 780
Db 721 TCTGGGGACCGTGGGCGATCAAGGGCGTGCACGCGTGGCGTACCTCTGCTGATGAGCGCGA 780

US-09-906-742-58
TYPE: DNA
ORGANISM: Homo Sapien
LENGTH: 2137
SEQ ID NO 58
NUMBER OF SEQ ID NOS: 423
PRIORITY FILING DATE: 1999-12-02
PRIORITY APPLICATION NUMBER: PCT/US99/28565
PRIORITY FILING DATE: 1999-12-02
PRIORITY APPLICATION NUMBER: PCT/US99/30095
PRIORITY FILING DATE: 1999-12-16
PRIORITY APPLICATION NUMBER: PCT/US99/30911
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: PCT/US99/30999
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: PCT/US00/00219
PRIORITY FILING DATE: 2000-01-05
SEQ ID NO 58
LENGTH: 2137
TYPE: DNA
ORGANISM: Homo Sapien
US-09-906-742-58


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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-58

Query Match      100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0:

QY 1 GCTCCAGCCAAAGAACCTCGGGGCGCTGCGCGGTGGGAGGAGTTCCTCCGAAACCCCGG 60
DB 1 GCTCCAGCCAAAGAACCTCGGGGCGCTGCGCGGTGGGAGGAGTTCCTCCGAAACCCCGG 60

QY 61 CGCTAAGCGAGGCTCTCTCTCCCGAGATCCGACGCGCTGGGGGGGTACACCCGGCT 120
DB 61 CGCTAAGCGAGGCTCTCTCTCCCGAGATCCGACGCGCTGGGGGGGTACACCCGGCT 120

QY 121 GGGACAAGAGCGCGCTGCTCGCGGGGCGGGAGGGGCTGGGGCTGGGGCGCG 180
DB 121 GGGACAAGAGCGCGCTGCTCGCGGGGCGGGAGGGGCTGGGGCTGGGGCGCG 180

QY 181 AGGCGGGGTGATGGGTGTGCGGGGGCGGAGGCTTGATGAATCCCGATAGAA 240
DB 181 AGGCGGGGTGATGGGTGTGCGGGGGCGGAGGCTTGATGAATCCCGATAGAA 240

QY 241 TGCTCGGTGTCTTGGGACCTACCGGTGGGCGCGTAAGGCGCTACTATATAAGGCTGC 300
DB 241 TGCTCGGTGTCTTGGGACCTACCGGTGGGCGCGTAAGGCGCTACTATATAAGGCTGC 300

QY 301 CGGCGCGAGCGCGCGCGCTGACAGCAGGAGCGCTGCGTCCAGGATCTAGGGCCACGA 360
DB 301 CGGCGCGAGCGCGCGCGCTGACAGCAGGAGCGCTGCGTCCAGGATCTAGGGCCACGA 360

QY 361 CCATCCCAACCGGCACTACAGCCCGCGAGCGGATCCGGTGGCGCGCGCCCTCCCG 420
DB 361 CCATCCCAACCGGCACTACAGCCCGCGAGCGGATCCGGTGGCGCGCGCCCTCCCG 420

QY 421 ACCCCCATCGCGGAGCTGCGCGGAGAGCCCGAGGAGGTGCCATCGCGACGCGGTGTCT 480
DB 421 ACCCCCATCGCGGAGCTGCGCGGAGAGCCCGAGGAGGTGCCATCGCGACGCGGTGTCT 480

QY 481 GGTGTCCACGTATGATCTGGCGGGCTCTGGCTGGCGGTGGCGGGCGCGCGCTCCG 540
DB 481 GGTGTCCACGTATGATCTGGCGGGCTCTGGCTGGCGGTGGCGGGCGCGCGCTCCG 540

QY 541 CTTCTCGGAGCGGGGGCGGCGGCTGACCTACGGCTGGGGCGGACCCCATCGGCTCGGGCA 600
DB 541 CTTCTCGGAGCGGGGGCGGCGGCTGACCTACGGCTGGGGCGGACCCCATCGGCTCGGGCA 600

QY 601 CTTGTACACCTCCGCGCGCGGCTCTCCAGCTGCTTCTCGGCGCATCCGCTGGCGCAGG 660
DB 601 CTTGTACACCTCCGCGCGCGGCTCTCCAGCTGCTTCTCGGCGCATCCGCTGGCGCAGG 660
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QY 661 CGTCTGGACTGCGCGCGGGCCAGAGCGGCACAGTTTGTCTGGAGATCAAGGAGTCCG 720
DB 661 CGTCTGGACTGCGCGCGGGCCAGAGCGGCACAGTTTGTCTGGAGATCAAGGAGTCCG 720

QY 721 TCTGCGGACCGTGGCCATCAAGGGGTGCACAGCGTGGCGTACCTCTGATGGGCGCGCA 780
DB 721 TCTGCGGACCGTGGCCATCAAGGGGTGCACAGCGTGGCGTACCTCTGATGGGCGCGCA 780

QY 781 CGGCAAGATGCGAGGCGCTTTCAGTACTCGGAGGAAGACTGTGCTTTTCGAGATGAGAT 840
DB 781 CGGCAAGATGCGAGGCGCTTTCAGTACTCGGAGGAAGACTGTGCTTTTCGAGAGGAGAT 840

QY 841 CGGCGCCAGATGCTTACAATGCTACCGATCCGAGAGACACCGCTTCTGCTGCTGAG 900
DB 841 CGGCGCCAGATGCTTACAATGCTACCGATCCGAGAGACACCGCTTCTGCTGCTGAG 900

QY 901 CAGTCCCAACAGCGGCGAGCTGTACAAGAACAGAGGCTTTTTCGACTCTTCATTTCT 960
DB 901 CAGTCCCAACAGCGGCGAGCTGTACAAGAACAGAGGCTTTTTCGACTCTTCATTTCT 960

QY 961 GCGCATGCTGCCATGGTCCGAGAGGAGCTCAGGACCTCAGGGCGCACTTGGATCTCA 1020
DB 961 GCGCATGCTGCCATGGTCCGAGAGGAGCTCAGGACCTCAGGGCGCACTTGGATCTCA 1020

QY 1021 CATGTTCTTCTCGCGCTGGAGACCGACAGCATGGACCCATTTGGGCTTTGCTGAGCT 1080
DB 1021 CATGTTCTTCTCGCGCTGGAGACCGACAGCATGGACCCATTTGGGCTTTGCTGAGCT 1080

QY 1081 GGAGCGGTGAGGAGTCCAGCTTTGAGAAGTAAGTGTAGAGCATGCCGGGCTCTTCAC 1140
DB 1081 GGAGCGGTGAGGAGTCCAGCTTTGAGAAGTAAGTGTAGAGCATGCCGGGCTCTTCAC 1140

QY 1141 TGCTGCCAGGGCTGTGGTACCTGCAGCTGGGAGCGTCTTCTACAGAGACAGTCCCTG 1200
DB 1141 TGCTGCCAGGGCTGTGGTACCTGCAGCTGGGAGCGTCTTCTACAGAGACAGTCCCTG 1200

QY 1201 AGTCCACGTTCTGTTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTTCAGAGTT 1260
DB 1201 AGTCCACGTTCTGTTAGCTTTAGGAAGAACATCTAGAAGTTGTACATATTTCAGAGTT 1260

QY 1261 TCCATTGGCAGTGCAGATTTCTAGCCATAGACTTGTCTGTGATCATACCATTTGTAAGCCTG 1320
DB 1261 TCCATTGGCAGTGCAGATTTCTAGCCATAGACTTGTCTGTGATCATACCATTTGTAAGCCTG 1320

QY 1321 TAGCTTGGCCAGCTGCTGCTGGCGCCCATTTCTGCTCCCTCGAGGTTCTCGACAAAGCT 1380
DB 1321 TAGCTTGGCCAGCTGCTGCTGGCGCCCATTTCTGCTCCCTCGAGGTTCTCGACAAAGCT 1380

QY 1381 GCTGCACTGTCTCAGTTTGTGAATAGCTCCATCGATGGGAACTCAGTCTTTTGA 1440
DB 1381 GCTGCACTGTCTCAGTTTGTGAATAGCTCCATCGATGGGAACTCAGTCTTTTGA 1440

QY 1441 AAAATTTATGTCAGCTGAAATTTCTAAATTTTCTCATCAGTCTCCCGAGGACAGG 1500
DB 1441 AAAATTTATGTCAGCTGAAATTTCTAAATTTTCTCATCAGTCTCCCGAGGACAGG 1500

QY 1501 CAGAGACAGGCGAGTGTAAATTTAGGAACAGAGTGTCCACTCTGTGTAACAGCAGG 1560
DB 1501 CAGAGACAGGCGAGTGTAAATTTAGGAACAGAGTGTCCACTCTGTGTAACAGCAGG 1560

QY 1561 TAAATTTCACTCAACCCCATGTGGAAATTTGATATATCTCTACTTCCAGGAACTTTG 1620
DB 1561 TAAATTTCACTCAACCCCATGTGGAAATTTGATATATCTCTACTTCCAGGAACTTTG 1620

QY 1621 CCCTTCCCAAAATCCCTCCAGGCCAGAACTGACTGGAGAGGATGCCCGACAGGTTCA 1680
DB 1621 CCCTTCCCAAAATCCCTCCAGGCCAGAACTGACTGGAGAGGATGCCCGACAGGTTCA 1680

QY 1681 GGAGTAGGGGAAGCGCTGGAGCGCCCTCAGCGCTGGGACAACTTGAGAAATCTGCTGA 1740
DB 1681 GGAGTAGGGGAAGCGCTGGAGCGCCCTCAGCGCTGGGACAACTTGAGAAATCTGCTGA 1740
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QY 1741 GGCAGTTCTGTCATGATGCTGCTCGAGAAATAAAGTTCCTGCTGCCCCCGGTGTACCTGCTT 1800
Db 1741 GGCAGTTCTGTCATGATGCTGCTCGAGAAATAAAGTTCCTGCTGCCCCCGGTGTACCTGCTT 1800
QY 1801 CCATCTCCAGCCACAGCCCTCTGCCACCTCACATGCTTCCCCATGATGGGGCCT 1860
Db 1801 CCATCTCCAGCCACAGCCCTCTGCCACCTCACATGCTTCCCCATGATGGGGCCT 1860
QY 1861 CCCAGGCCCCACCTTATGTCACCTGTCACCTTCTTCAAAAATCAGGAAAGAAAAG 1920
Db 1861 CCCAGGCCCCACCTTATGTCACCTGTCACCTTCTTCAAAAATCAGGAAAGAAAAG 1920
QY 1921 ATTTGAAGACCCCAAGCTTGTCAATAACTGCTGTGGAAGCAGCGGGGAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGCTTGTCAATAACTGCTGTGGAAGCAGCGGGGAGACCTA 1980
QY 1981 GAACCCCTTCCAGACACTTGGTTTCCCAACATGATATTTATGAGTAATTTATTTGATA 2040
Db 1981 GAACCCCTTCCAGACACTTGGTTTCCCAACATGATATTTATGAGTAATTTATTTGATA 2040
QY 2041 TGTACATCTCTTATTTTCTTACATTTATTTATGCCCCCAATTTATTTATGTTAAGT 2100
Db 2041 TGTACATCTCTTATTTTCTTACATTTATTTATGCCCCCAATTTATTTATGTTAAGT 2100
QY 2101 GAGTTTGGTTTGTATATTAATAATGAGTTGTTTGT 2137
Db 2101 GAGTTTGGTTTGTATATTAATAATGAGTTGTTTGT 2137

RESULT 10

US-09-907-613-58
; Sequence 58, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 58
; LENGTH: 2137
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-613-58
Query Match 100.0%; Score 2137; DB 9; Length 2137;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCTCCAGCAAGAACCTCGGGCGCTGCGGGTGGGAGGAGTTCCCGAAACCCGCG 60
Db 1 GCTCCAGCAAGAACCTCGGGCGCTGCGGGTGGGAGGAGTTCCCGAAACCCGCG 60
QY 61 CGCTAAGCAGGAGCTCTCTCTCCCGAGATCCGAACGGCTGGCGGGGTACACCCGGCT 120
Db 61 CGCTAAGCAGGAGCTCTCTCTCCCGAGATCCGAACGGCTGGCGGGGTACACCCGGCT 120
QY 121 GGGACAAGAACCGCCGCTGCTGCTGCGGGCCCGGGAGGGGCTGGGGCTGGGGCGG 180
Db 121 GGGACAAGAACCGCCGCTGCTGCTGCGGGCCCGGGAGGGGCTGGGGCTGGGGCGG 180
QY 181 AGCGGGGTGTGAGTGGTGTGTGCGGGGGGGGAGGCTTGTATGCAATCCCGATAAGAAA 240
Db 181 AGCGGGGTGTGAGTGGTGTGTGCGGGGGGGGAGGCTTGTATGCAATCCCGATAAGAAA 240
QY 241 TGCTCGGGTGTCTTTGGGACCTACCCGCTGGGGCCCGCTAAGCGGCTACTATATAGGCTGC 300
Db 241 TGCTCGGGTGTCTTTGGGACCTACCCGCTGGGGCCCGCTAAGCGGCTACTATATAGGCTGC 300
QY 301 CGGCGCGGAGCCCGCGCGCTCAGACAGGAGCGCTGCTCCAGGATCTAGGGCCACGA 360
Db 301 CGGCGCGGAGCCCGCGCGCTCAGACAGGAGCGCTGCTCCAGGATCTAGGGCCACGA 360
QY 361 CCATCCCAACCCGGCACTACAGCCCGGAGCGCATCCCGGTGCGCCCGCAGCTCCCGC 420
Db 361 CCATCCCAACCCGGCACTACAGCCCGGAGCGCATCCCGGTGCGCCCGCAGCTCCCGC 420
QY 421 ACCCCCATCGCGAGCTGCGCGCGAGAGCCCGAGGAGGTGCCATGCGGAGCGGTGTGT 480
Db 421 ACCCCCATCGCGAGCTGCGCGCGAGAGCCCGAGGAGGTGCCATGCGGAGCGGTGTGT 480
QY 481 GGTGGTCCAGTATGATCTGCGCGGCGCTTCTGGCTGGCGGTGGCGGGCGCCCTTCG 540
Db 481 GGTGGTCCAGTATGATCTGCGCGGCGCTTCTGGCTGGCGGTGGCGGGCGCCCTTCG 540
QY 541 CTTCTCGGAGCGGGGGCCCCACGCTGACTAGCGCTGGGGCGACCCCATCCCGCTCGCGCA 600

Db 541 CTTCTCGACGGGGCCCCACGTCACTACGGCTGGGGCGACCCCATCCGCTCGGCA 600
Qy 601 CCTGTACACTCCGGCCCCACGGGCTCTCCAGCTGCTTCCTGGCGCATCCGTCGCGAGG 660
Db 601 CTTGTACACTCCGGCCCCACGGGCTCTCCAGCTGCTTCCTGGCGCATCCGTCGCGAGG 660
Qy 661 CTTCTGGACTCGCGCGGGGGCCAGAGCGGCACAGTTTGTGGAGATCAAGGCACTCGC 720
Db 661 CTTCTGGACTCGCGCGGGGGCCAGAGCGGCACAGTTTGTGGAGATCAAGGCACTCGC 720
Qy 721 TCTCGGACCGTGGCCATCAAGGGCGTGCACAGCGTGGGTACCTCTGCATGGGCGCGA 780
Db 721 TCTCGGACCGTGGCCATCAAGGGCGTGCACAGCGTGGGTACCTCTGCATGGGCGCGA 780
Qy 781 CGGCAAGATGCAGGGGCTGCTTCAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGGAGAT 840
Db 781 CGGCAAGATGCAGGGGCTGCTTCAGTACTCGGAGGAAGACTGTGCTTTCGAGGAGGAGAT 840
Qy 841 CGGCCCAGATGGCTACATGTGTACCGATCGGAGAGCAGCGCTCCCGGTCTCCCTGAG 900
Db 841 CGGCCCAGATGGCTACATGTGTACCGATCGGAGAGCAGCGCTCCCGGTCTCCCTGAG 900
Qy 901 CAGTCCCAAACAGCGGCGAGCTGTACAAGAACAGAGGCTTCTTCCACTCTCTCATTTTCT 960
Db 901 CAGTCCCAAACAGCGGCGAGCTGTACAAGAACAGAGGCTTCTTCCACTCTCTCATTTTCT 960
Qy 961 GCCCATGTGCCATGTGTCGCCAGAGAGCGCTGAGGACCTCAGGGGCCACTTGGAAATCTGA 1020
Db 961 GCCCATGTGCCATGTGTCGCCAGAGAGCGCTGAGGACCTCAGGGGCCACTTGGAAATCTGA 1020
Qy 1021 CATGTTCTCTTCGCCCCCTGGAGACCGACGATGAGCCACTTGGGGCTTGTACCGGACT 1080
Db 1021 CATGTTCTCTTCGCCCCCTGGAGACCGACGATGAGCCACTTGGGGCTTGTACCGGACT 1080
Qy 1081 GGAGCCCTGAGGAGTCCAGCTTTGAGAAGTAAGTACCTGAGACCATGCCCCGGGCTTTCCAC 1140
Db 1081 GGAGCCCTGAGGAGTCCAGCTTTGAGAAGTAAGTACCTGAGACCATGCCCCGGGCTTTCCAC 1140
Qy 1141 TGCTGCCAGGGGCTGTGTAAGTGTGAGGAGTGGGGGACGTGCTTCTACAAGAACAGTCCGT 1200
Db 1141 TGCTGCCAGGGGCTGTGTAAGTGTGAGGAGTGGGGGACGTGCTTCTACAAGAACAGTCCGT 1200
Qy 1201 AGTCCAGCTTCTGTTAGCTTTAGAGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Db 1201 AGTCCAGCTTCTGTTAGCTTTAGAGAAGAACATCTAGAAGTTGTACATATTCAGAGTTT 1260
Qy 1261 TCCATTGGCAGTGCAGTTTCTAGCCAAATAGACTTGTCTGATCATAAGCATTTGAAGCTTG 1320
Db 1261 TCCATTGGCAGTGCAGTTTCTAGCCAAATAGACTTGTCTGATCATAAGCATTTGAAGCTTG 1320
Qy 1321 TAGCTTGCCAGCTGCTGCCTGGGCCCCCATTTCTGCTCCCTCGAGTTGCTGGACAAGCT 1380
Db 1321 TAGCTTGCCAGCTGCTGCCTGGGCCCCCATTTCTGCTCCCTCGAGTTGCTGGACAAGCT 1380
Qy 1381 GCTGCACGTCTCAGTCTGCTTGAATACCTCCATPCGATGGGAACTCAC'TTCCCTTTGGA 1440
Db 1381 GCTGCACGTCTCAGTCTGCTTGAATACCTCCATPCGATGGGAACTCAC'TTCCCTTTGGA 1440
Qy 1441 AAAATTTCTATGTCAGGCTGAAATCTCTAAATTTTTCATCAGTTCCTCCAGGAGCAGC 1500
Db 1441 AAAATTTCTATGTCAGGCTGAAATCTCTAAATTTTTCATCAGTTCCTCCAGGAGCAGC 1500
Qy 1501 CAGAAGACAGGCACTAGTATTTTAAATTTTCAGGAACAGGTCATCCACTCTCTAAACAGCAGG 1560
Db 1501 CAGAAGACAGGCACTAGTATTTTAAATTTTCAGGAACAGGTCATCCACTCTCTAAACAGCAGG 1560
Qy 1561 TAAATTTCTAC'CAACCCCATGTGGAAATGTATATCTACTTCCAGGAGCAATTTG 1620
Db 1561 TAAATTTCTACTCAACCCCATGTGGAAATGTATATCTACTTCCAGGAGCAATTTG 1620
Qy 1621 CCCTTCCCAAAATCCCTCCAGGCCAGAACTGACTGAGAGGCGATGGGCCACAGGCTTCA 1680

Db 1621 CCCTTCCCAAAATCCCTCCAGGCCAGAACTGACTGGAGCAGGCAATGCCCAACAACTTCA 1680
Qy 1681 GGAGTAGGGGAAGCCTGGAGCCCCACTCAGCCCTGGGACAACCTTCAGAAATTC'CTCTCA 1740
Db 1681 GGAGTAGGGGAAGCCTGGAGCCCCACTCAGCCCTGGGACAACCTTCAGAAATTC'CTCTCA 1740
Qy 1741 GGCCAGTTCTGTCAATGATGCTGCTGAGAATAACTTGTCTGCCGGTGTCAACCTGCTT 1800
Db 1741 GGCCAGTTCTGTCAATGATGCTGCTGAGAATAACTTGTCTGCCGGTGTCAACCTGCTT 1800
Qy 1801 CCATCTCCAGCCCCCAGCCCTCTGCCACCTCAGATGCCCTCCCAATGGATTTGGGGCT 1860
Db 1801 CCATCTCCAGCCCCCAGCCCTCTGCCACCTCAGATGCCCTCCCAATGGATTTGGGGCT 1860
Qy 1861 CCCAGGCCCCCAGCCCTTATGCAACCTGCACCTTCTTTCAAAAATCAGGAAGAAAAAG 1920
Db 1861 CCCAGGCCCCCAGCCCTTATGCAACCTTATGCAACCTGCACCTTCTTTCAAAAATCAGGAAGAAAAAG 1920
Qy 1921 ATTTGAAGACCCCAAGTCTTTGTCAATAACTTGTCTGTGGAGAGCAGCGGGGAAGACCTA 1980
Db 1921 ATTTGAAGACCCCAAGTCTTTGTCAATAACTTGTCTGTGGAGAGCAGCGGGGAAGACCTA 1980
Qy 1981 GAACCTTTTCCCCAGCACTTGGTTTCCAAACATGATATTTATGAGTAATTAATTTGATA 2040
Db 1981 GAACCTTTTCCCCAGCACTTGGTTTCCAAACATGATATTTATGAGTAATTAATTTGATA 2040
Qy 2041 TGTACATCTCTATTTTCTTACATTTATGCCCCCAAAATATATTTATGTAAGT 2100
Db 2041 TGTACATCTCTATTTTCTTACATTTATGCCCCCAAAATATATTTATGTAAGT 2100
Qy 2101 GAGGTTTCTTTTGTATATTAATAATGAGTTTCTTTCT 2137
Db 2101 GAGGTTTCTTTTGTATATTAATAATGAGTTTCTTTCT 2137

RESULT 11

US-09-907-942-58

; Sequence 58, Application US/0990794 2

; Publication No. US20030027146A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Geritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/907,942

; CURRENT FILING DATE: 2002-01-22

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

[illegible]

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Db 661 C G T C G T G G A C T C G C G C G G G C C A G A G C G C A C A G T T T G C T G G A G A T C A A G G C A G T C G C 720
QY 721 T C T G C G G A C C G T G C C A T C A A G G G C G T G C A G A G C G T G G G T A C C T C T G C A T G G G C G C G A 780
Db 721 T C T G C G G A C C G T G C C A T C A A G G G C G T G C A G A G C G T G G G T A C C T C T G C A T G G G C G C G A 780
QY 781 C G G C A A G A T G C A G G G C T G C T C A C T A C T C G G A G A A G A C T G C T G C T T T C G A G A G A G A G A T 840
Db 781 C G G C A A G A T G C A G G G C T G C T C A C T A C T C G G A G A A G A C T G C T G C T T T C G A G A G A G A G A T 840
QY 841 C G C C C C A G A T G C C T A C A A T G T A C C G A T C C G A G A A G C A C C C C T C C G G T T C C C T C G A G 900
Db 841 C G C C C C A G A T G C C T A C A A T G T A C C G A T C C G A G A A G C A C C C C T C C G G T T C C C T C G A G 900
QY 901 C A G T C C C A A A C A G C G C A G C T G T A A A G A A C A G A G C T T T C T T C C A C T C T C T C A T T T C C T 960
Db 901 C A G T C C C A A A C A G C G C A G C T G T A A A G A A C A G A G C T T T C T T C C A C T C T C T C A T T T C C T 960
QY 961 G C C A T G C T G C C C A T G G T C C C A G A G A G C C T G A G A C C T C A G G G C C A C T T G G A A T C T C A 1020
Db 961 G C C A T G C T G C C C A T G G T C C C A G A G A G C C T G A G A C C T C A G G G C C A C T T G G A A T C T C A 1020
QY 1021 C A T G T T C T T C G C C C C T G G A G A C C A G A C A T G A C C C A F T T G G C T T F T G C A C C G A C T 1080
Db 1021 C A T G T T C T T C G C C C C T G G A G A C C A G A C A T G A C C C A F T T G G C T T F T G C A C C G A C T 1080
QY 1081 G A G G C C T G A G A G C T G C C A G C T T T G A A G T A A C T G A G A C C A T C C C G G C C T C T T C A C 1140
Db 1081 G A G G C C T G A G A G C T G C C A G C T T T G A A G T A A C T G A G A C C A T C C C G G C C T C T T C A C 1140
QY 1141 T G C T C C C A G G G C T G T G T A C C T G C A G C T G G G G A C C T G C T T C A A A G A A C A C T C C T G 1200
Db 1141 T G C T C C C A G G G C T G T G T A C C T G C A G C T G G G G A C C T G C T T C A A A G A A C A C T C C T G 1200
QY 1201 A G T C A C A G T T C T G T T A G C T T T A G G A A A C A T C T A G A A G T T G T A C A T A T T C A G A G T T 1260
Db 1201 A G T C A C A G T T C T G T T A G C T T T A G G A A A C A T C T A G A A G T T G T A C A T A T T C A G A G T T 1260
QY 1261 T C A T T G G C A G T G C C A G T T T C T A G C C A A T A G A C T T G T C T G A T C A T A A C A T T G T A A G C C T G 1320
Db 1261 T C A T T G G C A G T G C C A G T T T C T A G C C A A T A G A C T T G T C T G A T C A T A A C A T T G T A A G C C T G 1320
QY 1321 T A G C T T G C C C A G C T G C T G C C T G G G C C C A T T C T G C T C C C T G A G T T G C T G G A C A A G C T 1380
Db 1321 T A G C T T G C C C A G C T G C T G C C T G G G C C C A T T C T G C T C C C T G A G T T G C T G G A C A A G C T 1380
QY 1381 G C T G C A C T G C T C A G T T C T G C T T G A A T A C C T C C A T G A T G G G A A C T C A C T T C C T T T T G G A 1440
Db 1381 G C T G C A C T G C T C A G T T C T G C T T G A A T A C C T C C A T G A T G G G A A C T C A C T T C C T T T T G G A 1440
QY 1441 A A A A T T C T A T G T C A A G C T G A A A T T C T A A T T T T T C T C A T C A C T T C C C A G G A G C A G C 1500
Db 1441 A A A A T T C T A T G T C A A G C T G A A A T T C T A A T T T T T C T C A T C A C T T C C C A G G A G C A G C 1500
QY 1501 C A G A A C A G C A G C A G T T T T A A T T T C A G G A A C A G G T G A T C C A C T C T G T A A A A C A G C A G G 1560
Db 1501 C A G A A C A G C A G C A G T T T T A A T T T C A G G A A C A G G T G A T C C A C T C T G T A A A A C A G C A G G 1560
QY 1561 T A A A T T T C A C T C A C C C A C T G T G G A A T T G A T C T A T A T C T A C T T C A G G A C A C A T T T G 1620
Db 1561 T A A A T T T C A C T C A C C C A C T G T G G A A T T G A T C T A T A T C T A C T T C A C T T C A G G A C A C A T T T G 1620
QY 1621 C C C T T C C C A A A T C C C T C A G G C C A C A C T G A C T G A G C A G C A T G C C C A C C A G C T T C A 1680
Db 1621 C C C T T C C C A A A T C C C T C A G G C C A C A C T G A C T G A G C A G C A T G C C C A C C A G C T T C A 1680
QY 1681 G A G A T A G G G A A G C C T G G A G C C C A C T C C A G C C C T G G A C A C A C T T G A G A A T T C C C C C T G A 1740
Db 1681 G A G A T A G G G A A G C C T G G A G C C C A C T C C A G C C C T G G A C A C A C T T G A G A A T T C C C C C T G A 1740
QY 1741 G C C C A G T T C T G T C A T G G A T G C T C C T C A G A A T A A C T T G C T G C C C G T G T C A C T G C T T 1800

Db 1741 G C C C A G T T C T G T C A T G G A T G C T G C T G A G A A T A A C T T G C T C C C G T G T C A C T G C T T 1800
QY 1801 C C A T C C C A G C C C A C C A C C C T C T G C C A C C T C A C A T G C C T C C C C A T G A T T G G G C C T 1860
Db 1801 C C A T C C C A G C C C A C C A C C C T C T G C C A C C T C A C A T G C C T C C C C A T G A T T G G G C C T 1860
QY 1861 C C C A G C C C C C A C C C T T A T G T C A A C C T G C A C T T C T T G T T C A A A A T C A G A A A A A A A A G 1920
Db 1861 C C C A G C C C C C A C C C T T A T G T C A A C C T G A T G T C A A C C T G C A C T T C T T G T T C A A A A I C A G A A A A A A A A G 1920
QY 1921 A T T T C A A G A C C C A A G T C T T G T C A A T A A C T T C T G T G T G T G A A G C A G C G G G G A A A C C T A 1980
Db 1921 A T T T C A A G A C C C A A G T C T T G T C A A T A A C T T C T G T G T G T G A A G C A G C G G G G A A A C C T A 1980
QY 1981 G A A C C C T T C C C C A C A C T T G C T T T C C A A C A T A T T A T G A T A A T T A T T A T T G A T A 2040
Db 1981 G A A C C C T T C C C C A C A C T T G C T T T T C C A A C A T A T T A T G A T A A T T A T T A T T A T T G A T A 2040
QY 2041 T G T A C A T C T T A T T T T T T A C A T T A T T A T T A T G C C C C A A T T A T A T T A T T A T T A T T A A G T 2100
Db 2041 T G T A C A T C T T A T T T T T T C T T A C A T T A T T A T G C C C C A A T T A T A T T A T T A T T A T T A T T A A G T 2100
QY 2101 G A G G T T G T T T T G T A T A T T A A A A T G A G T T T G T T G T 2137
Db 2101 G A G G T T G T T T T G T A T A T T A A A A T G A G T T T G T T G T 2137

RESULT 13
US-10-066-273-85
; Sequence 85, Application US/10066273
; Publication No. US20030032062A1
; GENERAL INFORMATION:
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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3130RIC2
; CURRENT APPLICATION NUMBER: US/10/066,273
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 10/002,796
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
; PRIOR APPLICATION NUMBER: 60/059115
; PRIOR FILING DATE: 1997-09-17
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; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059588
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;; PRIOR APPLICATION NUMBER: 60/062816
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;; PRIOR APPLICATION NUMBER: PCT/US98/25108
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;; PRIOR APPLICATION NUMBER: PCT/US98/25190
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; PRIOR FILING DATE: 1999-03-08									
; PRIOR APPLICATION NUMBER: PCT/US99/12252									
; PRIOR FILING DATE: 1999-06-02									
; PRIOR APPLICATION NUMBER: PCT/US99/20111									
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; PRIOR APPLICATION NUMBER: PCT/US99/20594									
; PRIOR FILING DATE: 1999-09-08									
; PRIOR APPLICATION NUMBER: PCT/US99/21090									
; PRIOR FILING DATE: 1999-09-15									
; PRIOR APPLICATION NUMBER: PCT/US99/21547									
Query Match 100.0%; Score 2137; DB 9; Length 2137;									
Best Local Similarity 100.0%; Pred. No. 0;									
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	1	GCTCCACGCAAGAACCTCGGGCGCTGCCGGTGGGAGGAGTCCCGGAAACCCGCG	60						
DB	1	GCTCCACGCAAGAACCTCGGGCGCGCTGCCGGTGGGAGGAGTTCGCCGAAACCCGCG	60						
QY	61	CCCTAAGCGAGGCGCTCCCTCCCGCAGATCCGAACGGCGCTACCCCGGCT	120						
DB	61	CCCTAAGCGAGGCGCTCCCTCCCGCAGATCCGAACGGCGCTACCCCGGCT	120						
QY	121	GGGACAAAGCCGCGCTGCCTGCCCGGGCCCGGGAGGGGCTGGGGCTGGGGCCGG	180						
DB	121	GGGACAAAGCCGCGCTGCCTGCCCGGGCCCGGGAGGGGCTGGGGCTGGGGCCGG	180						
QY	181	AGGCGGGGTGTGAGTGGGTGTGTGGGGGGGGGAGGCTTGATGCAATCCGATAGAAA	240						
DB	181	AGGCGGGGTGTGAGTGGGTGTGTGGGGGGGGGAGGCTTGATGCAATCCGATAGAAA	240						
QY	241	TGCTCGGGTGTCTTGGGCACCTACCCGTGGGCCCGTAAGGCGCTACTATATAAGGCTGC	300						
DB	241	TGCTCGGGTGTCTTGGGCACCTACCCGTGGGCCCGTAAGGCGCTACTATATAAGGCTGC	300						
QY	301	CGGCGCGAGCGCGCGCGGCTCAGACGAGAGCGCTGGTCCAGAGCTAGGGCCACGA	360						
DB	301	CGGCGCGAGCGCGCGCGGCTCAGACGAGAGCGCTGGTCCAGAGCTAGGGCCACGA	360						
QY	361	CCATCCCAACCGGCACATCACAGCCCGCAGCGCATCCGGTCCGCCACGCTCCCGC	420						
DB	361	CCATCCCAACCGGCACATCACAGCCCGCAGCGCATCCGGTCCGCCACGCTCCCGC	420						
QY	421	ACCCCATCGCGGAGCTCGCGGAGAGCCCGCAGGAGGTGCCATCGGAGCGGTGTGT	480						
DB	421	ACCCCATCGCGGAGCTCGCGGAGAGCCCGCAGGAGGTGCCATCGGAGCGGTGTGT	480						
QY	481	GGTGTCCACGTATGGATCTTGGCGGGCTCTGGCTGGCGGTGGCGGCGCCCTCGC	540						
DB	481	GGTGTCCACGTATGGATCTTGGCGGGCTCTGGCTGGCGGTGGCGGCGCCCTCGC	540						
QY	541	CTTCTCGGACGGGGCGCCACGTACGCTACGGCTGGGGCAGCCCATCCGCTCGGCA	600						
DB	541	CTTCTCGGACGGGGCGCCACGTACGCTACGGCTGGGGCAGCCCATCCGCTCGGCA	600						
QY	601	CCTGTACACCTCCGCGCCCGCCAGGGCTCTCCAGCTGCTTCCGTCATCCGTCGCGAGG	660						
DB	601	CCTGTACACCTCCGCGCCCGCCAGGGCTCTCCAGCTGCTTCCGTCATCCGTCGCGAGG	660						
QY	661	CGTGTGACGTCCGCGCGGGGCCAGAGCGCCACAGTTTGTGGAGATCAAGGCACTGC	720						
DB	661	CGTGTGACGTCCGCGCGGGGCCAGAGCGCCACAGTTTGTGGAGATCAAGGCACTGC	720						
QY	721	TCTGGGACCGTGGCCATCAAGGGGTGCACAGCGTGGCGGTACCTCTGCATGGGCGCGA	780						
DB	721	TCTGGGACCGTGGCCATCAAGGGGTGCACAGCGTGGCGGTACCTCTGCATGGGCGCGA	780						
QY	781	CGGCAAGATGACGGGGCTCTTCACTCGAGGAGAACTGTGTCTTCGAGGAGGAGAT	840						
DB	781	CGGCAAGATGACGGGGCTCTTCACTCGAGGAGAACTGTGTCTTCGAGGAGGAGAT	840						
QY	841	CGGCGCAGATGGCTACAAATGTGTACCGATCCGAGAACCCGCTCCCGGCTCCCTCGAG	900						

DB	841	CGGCGCAGATGGCTACAAATGTGTACCGATCCGAGAACCCGCTCCCGGCTCTCCCTGAG	900						
QY	901	CAGTCCCAACAGCGCGAGCTCTACAAGAACAGAGGCTTTCCTCCACTCTCTCAATTCCT	960						
DB	901	CAGTCCCAACAGCGCGAGCTCTACAAGAACAGAGGCTTTCCTCCACTCTCTCAATTCCT	960						
QY	961	GCCCATGCTGCCCATGCTGCCAGAGAGGCTGAGGACCTCAGGGGCGACTTGGAACTGA	1020						
DB	961	GCCCATGCTGCCCATGCTGCCAGAGAGGCTGAGGACCTCAGGGGCGACTTGGAACTGA	1020						
QY	1021	CATGTTCTTTCGCCCTCGGAGACCGACAGCATGAGCCCATTTGGGCTTGTCAACCGGACT	1080						
DB	1021	CATGTTCTTTCGCCCTCGGAGACCGACAGCATGAGCCCATTTGGGCTTGTCAACCGGACT	1080						
QY	1081	GGAGCGGTGAGGAGTCCAGGCTTTCAGAAAGTAACCTGACACCATGCCCGGCGCTCTAC	1140						
DB	1081	GGAGCGGTGAGGAGTCCAGGCTTTCAGAAAGTAACCTGAGACCATGCCCGGCGCTCTAC	1140						
QY	1141	TGCTGCCAGGGGCTGTGCTACCTGTCAGCGTGGGGACGTGCTTCTACAAGAACATTCCTG	1200						
DB	1141	TGCTGCCAGGGGCTGTGCTACCTGTCAGCGTGGGGACGTGCTTCTACAAGAACATTCCTG	1200						
QY	1201	AGTCCACGTTCTGTTTAGCTTTAGGAAGAACATCTAGAGTTGTACATATTCAGAGTTT	1260						
DB	1201	AGTCCACGTTCTGTTTAGCTTTAGGAAGAACATCTAGAGTTGTACATATTCAGAGTTT	1260						
QY	1261	TCATTGGCAGTGCAGTTTCTAGCCAATAGACTTCTCTCATACATAAATTTGTAAGGCTG	1320						
DB	1261	TCATTGGCAGTGCAGTTTCTAGCCAATAGACTTCTCTCATACATAAATTTGTAAGGCTG	1320						
QY	1321	TAGCTTGGCCAGCTGCTGCTGGGCCCGCATTTCTGCTGCTGAGGTTGCTGGACAGCT	1380						
DB	1321	TAGCTTGGCCAGCTGCTGCTGGGCCCGCATTTCTGCTGCTGAGGTTGCTGGACAGCT	1380						
QY	1381	GCTGCACTGTCTCAGTTCTGCTTTGAATACCTCCATCGATGGGAACTCACTTCTTTGA	1440						
DB	1381	GCTGCACTGTCTCAGTTCTGCTTTGAATACCTCCATCGATGGGAACTCACTTCTTTGA	1440						
QY	1441	AAATTTCTTATGCTCAAGCTGAAATTTCTTAATTTTCTCATCATCTCCCGAGGACAGC	1500						
DB	1441	AAATTTCTTATGCTCAAGCTGAAATTTCTTAATTTTCTCATCATCTCCCGAGGACAGC	1500						
QY	1501	CAGAACAGGCGAGTAGTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAACACAGCAG	1560						
DB	1501	CAGAACAGGCGAGTAGTTTAAATTTTCAGGAACAGGTGATCCACTCTGTAACACAGCAG	1560						
QY	1561	TAAATTTCACTCAACCCCATGTGGGAATTTGATCTATATCTTCTACTTCCAGGGAACATTTG	1620						
DB	1561	TAAATTTCACTCAACCCCATGTGGGAATTTGATCTATATCTTCTACTTCCAGGGAACATTTG	1620						
QY	1621	CCCTTCCCAAAATCCCTCCAGGCGCAGAACTGACTGGAGAGGATGCCCGACAGGCTTCA	1680						
DB	1621	CCCTTCCCAAAATCCCTCCAGGCGCAGAACTGACTGGAGAGGATGCCCGACAGGCTTCA	1680						
QY	1681	GGAGTAGGGGAAGCGCTGGAGCCCCACTCCAGCGCTGGGACAACTTGAGAAATTCCTGTA	1740						
DB	1681	GGAGTAGGGGAAGCGCTGGAGCCCCACTCCAGCGCTGGGACAACTTGAGAAATTCCTGTA	1740						
QY	1741	GGCCAGTTCTCTCATGGATGCTCTCTGAGAAATTAACCTTCTGCCGCTGCACTGCTT	1800						
DB	1741	GGCCAGTTCTCTCATGGATGCTCTCTGAGAAATTAACCTTCTGCCGCTGCACTGCTT	1800						
QY	1801	CCATCTCCAGCGCCACGCGCTCTGCCACCTCACATGCCCTCCCATGSAATTCGGGCT	1860						
DB	1801	CCATCTCCAGCGCCACGCGCTCTGCCACCTCACATGCCCTCCCATGSAATTCGGGCT	1860						
QY	1861	CCGAGCGCCCGCCACCTTATGTCAACCTGCACCTTCTTTTCAAAAATCAGGAAAGAAAG	1920						
DB	1861	CCGAGCGCCCGCCACCTTATGTCAACCTGCACCTTCTTTTCAAAAATCAGGAAAGAAAG	1920						
QY	1921	ATTTGAGAACCCCAAGTCTTGTCAATTAACCTTCTGTGTGGAAGCAGCGGGGAGACCTA	1980						
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Db 1921 ATTGAAGACCCCAAGCTCTGCTCAATCACTTGCTGTGGGAAGCAGCGGGGAAGACCTA 1980
Qy 1981 GAACCCCTTCCCGAGCACTTGGTTTTCCAAACATGATATTTATGATGAGTAATTTATTTTGATA 2040
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Qy 2041 TGTACATCTCTATTTTCTTACATATTTATGCCCCCAAAATATATTTATGATGTAAGT 2100
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Qy 2101 GAGGTTTGTGTGATATTAATGAGTGTGTTTGT 2137
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RESULT 14
US-10-066-494-85
; Sequence 85, Application US/10066494
; Publication No. US20030032063A1
; GENERAL INFORMATION:
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; APPLICANT: Paul J. Godowski
; APPLICANT: Austin L. Gurney
; APPLICANT: Ivar J. Kljavin
; APPLICANT: Jennie P. Mather
; APPLICANT: Mary A. Napier
; APPLICANT: James Pan
; APPLICANT: Nicholas F. Paoni
; APPLICANT: Margaret Ann Roy
; APPLICANT: Timothy A. Stewart
; APPLICANT: Daniel Tumas
; APPLICANT: Colin K. Watanabe
; APPLICANT: P. Mickey Williams
; APPLICANT: William I. Wood
; APPLICANT: Zemin Zang
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3130R1C9
; CURRENT APPLICATION NUMBER: US/10/066,494
; CURRENT FILING DATE: 2002-02-01
; PRIOR APPLICATION NUMBER: 10/002,796
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/056974
; PRIOR FILING DATE: 1997-08-26
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66 PRIOR FILING DATE: 1999-09-01
67 PRIOR APPLICATION NUMBER: PCT/US99/20594
68 PRIOR FILING DATE: 1999-09-08
69 PRIOR APPLICATION NUMBER: PCT/US99/21090
70 PRIOR FILING DATE: 1999-09-15
71 PRIOR APPLICATION NUMBER: PCT/US99/21547

Query Match

100.0%; Score 2137; DB 9; Length 2137;

Best Local Similarity 100.0%; Pred. No. 0;
Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 61 CGCTAAGCGAGGCGCTCTCTCCCGCAGATCCGAACGGCTTGGGGGGGTACACGCGGT 120
Db 61 CGCTAAGCGAGGCGCTCTCTCCCGCAGATCCGAACGGCTTGGGGGGGTACACGCGGT 120
Qy 121 GGGACAAGACCGCGCTGCTCCCGGGGCGGAGGCGCTGGGGTGGGGTGGGGCGCG 180
Db 121 GGGACAAGACCGCGCTGCTCCCGGGGCGGAGGCGCTGGGGTGGGGTGGGGCGCG 180
Qy 181 AGGCGGGGTGTAGTGGGTGTGTGCGGGGCGGAGGCTTGTATGCAATCCCCATAGAAA 240
Db 181 AGGCGGGGTGTAGTGGGTGTGTGCGGGGCGGAGGCTTGTATGCAATCCCCATAGAAA 240
Qy 241 TGCTCGGTGTCTTGGGCACCTACCCGTGGGGCGGTAAAGCGCTACTATAGAGGTGC 300
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Qy 301 CGGCCGAGCGCGCGCGCTCAGACGAGGAGCGCTGCTCCAGGATCTAGGGACAGA 360
Db 301 CGGCCGAGCGCGCGCGCTCAGACGAGGAGCGCTGCTCCAGGATCTAGGGACAGA 360
Qy 361 CCATCCCAACCGCGCTCAGACGCGCGCTCAGACGAGGAGCGCTGCTCCAGGATCTAGGGACAGA 420
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Qy 481 GGTGTCCACGTATGATCTTGGCGGCGCTCTGGCTGGCGGTGGCGGCGCTCTGCGC 540
Db 481 GGTGTCCACGTATGATCTTGGCGGCGCTCTGGCTGGCGGTGGCGGCGCTCTGCGC 540
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RESULT 15

US-09-904-820-58
; Sequence 58, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,820
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
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US-09-904-820-58

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Matches 2137; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 721 TCTGGGACCGTGGCCATCAAGGGGTGCACAGCGTGGGTACCTTCGATGGCGCGCA 780

Oy 781 CGCAAGATGACGGGCTGCTTCACTCGGAGGAGACTGTGCTTTTCGAGGAGGAGAT 840
Db 781 CGCAAGATGACGGGCTGCTTCACTCGGAGGAGACTGTGCTTTTCGAGGAGGAGAT 840

Oy 841 CCGCCAGATGGCTACAATGTGTACCGATCCGAGAGACCGCTCCCGGTCTCCCTGAG 900
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Oy 1501 CAGAAGACAGCAGTGTATTTAAATTTTCAAGAACAGGTGCA1CCACTCTGTAAACACAGCAGG 1560
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Oy 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGACTGAGCAGGAGCATGGCCCATCAAGCTTCA 1680
Db 1621 CCCTTCCCAATCCCTCCAGGCCAGAACTGACTGAGCAGGAGCATGGCCCATCAAGCTTCA 1680
Oy 1681 GGAGTAGGGAGAGCTGGAGGCCCACTCCAGCCCTGGGACAACTTGAGAAATTCGCCCTGA 1740
Db 1681 GGAGTAGGGAGAGCTGGAGGCCCACTCCAGCCCTGGGACAACTTGAGAAATTCGCCCTGA 1740
Oy 1741 GGCAAGTTCTGTCAATGGATGCTGCTCCTGAGAAATTAATCTTCTACTTCCAGCAACCTGCTT 1800
Db 1741 GGCAAGTTCTGTCAATGGATGCTGCTCCTGAGAAATTAATCTTCTACTTCCAGCAACCTGCTT 1800
Oy 1801 CCATCTCCAGCCCAACAGCCCTCTGCCCACCTCATGCTCCCATGCGATTTGGGGCT 1860
Db 1801 CCATCTCCAGCCCAACAGCCCTCTGCCCACCTCATGCTCCCATGCGATTTGGGGCT 1860
Oy 1861 CCCAGGCCCCCACTTATGTCAACCTGCACTTCTTGTTCAAAATCAGGAAAGAAAG 1920
Db 1861 CCCAGGCCCCCACTTATGTCAACCTGCACTTCTTGTTCAAAATCAGGAAAGAAAG 1920
Oy 1921 ATTTGAGAACCCCAAGCTTGTCAATTAATCTTGTGTGGAGCAGCGGGGAAAGCCTA 1980
Db 1921 ATTTGAGAACCCCAAGCTTGTCAATTAATCTTGTGTGGAGCAGCGGGGAAAGCCTA 1980
Oy 1981 GAACCCCTTCCCGACCACTTGTTCACACATGATATTTATGACTAATTTATTTGATA 2040
Db 1981 GAACCCCTTCCCGACCACTTGTTCACACATGATATTTATGACTAATTTATTTGATA 2040
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Qy	2041	TGTCATCTCTTATTTCTTACATTTATTTATGCCCCCAAAATATATTTATCTATGTAAGT	2100
Db <th>2041</th> <th>TGTCATCTCTTATTTCTTACATTTATTTATGCCCCCAAAATATATTTATCTATGTAAGT</th> <th>2100</th>	2041	TGTCATCTCTTATTTCTTACATTTATTTATGCCCCCAAAATATATTTATCTATGTAAGT	2100
Qy <th>2101</th> <th>GAGTTGTGTTTCTATATTTAAAATGAGTTTCTTTGT</th> <th>2137</th>	2101	GAGTTGTGTTTCTATATTTAAAATGAGTTTCTTTGT	2137
Db <th>2101</th> <th>GAGTTGTGTTTCTATATTTAAAATGAGTTTCTTTGT</th> <th>2137</th>	2101	GAGTTGTGTTTCTATATTTAAAATGAGTTTCTTTGT	2137

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Job time : 300 secs